

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
1	Chiu, Ming-Chih; Chang, Shih-Hsun; Yen, Yu-Ting; Liao, Lin-Yan; Lin, Hsing-Juh*	Timing and magnitude of climatic extremes differentially elevate mortality but enhance recovery in a fish population	<i>Global Change Biology</i>	2021	13.212	1.5%
2	Saleh, A. *, B. Abtahi, N. Mirzaei, C.T.A. Chen* , H. Ershadifar, M. Ghaemi, A. Hamzhepour, E. Abedi	Hypoxia in the Persian Gulf and the Strait of Hormuz	<i>Marine Pollution Bulletin, 167, 112354</i>	2021	7.001	1.8%
3	Cheng-Chien Liu*	Deriving Ocean Surface Currents: A method using Geostationary Ocean Color Imager hourly data	<i>IEEE Geoscience and Remote Sensing Magazine, 9(3), p138-156</i>	2021	13.925	2.9%
4	Mason B., Cooke I., Moya A., Augustin R., Lin M.-F. , Satoh N., Bosch T.C.G. Bourne D.G., Hayward D.C., Adrade N., Forêt S., Ying H., Ball E.E., Miller D.J.	AmAMP1 from <i>Acropora millepora</i> and damicornin define a family of coral-specific antimicrobial peptides related to the Shk toxins of sea anemones	<i>Developmental and Comparative Immunology 114: 103866</i>	2021	3.605	5.1%
5	Wei-Jen Huang* , Wei-Jun Cai and Xinping Hu	Seasonal Mixing and Biological Controls of Carbonate System in a River-Dominated Continental Shelf Subject to Eutrophication and Hypoxia in the northern Gulf of Mexico	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
6	Hsieh, H.-H., M.-H. Chuang, Y.-Y. Shih, S.W. Weerallodige, W.-J. Huang, C.-C. Hung* , F.L.L. Muller, R.R.M.K.P. Ranatunga and D.S. Wiiethunga	Eutrophication and Hypoxia in Tropical Negombo Lagoon, Sri Lanka	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
7	Shih, Y.-Y., F.-K. Shiah, C.-C. Lai, W.-C. Chou, J.-H. Tai, Y.-S. Wu, C.-Y. Lai, C.-Y. Ko and C.-C. Hung*	Comparison of primary production using in situ and satellite-derived values at the SEATS station in the South China Sea	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
8	Weerathunga, V., W.-J. Huang , S. Dupont, H.-H. Hsieh, N. Piyawardhana, F.-L. Yuan, J.-S. Liao, C.-Y. Lai, W.-M. Chen and C.-C. Hung*	Impacts of pH on the fitness and immune system of Pacific white shrimp	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
9	Chow, C. H., Y.-Y. Shih, Y.-T. Chien, J. Y. Chen, N. Fan, W.-C. Wu and C.-C. Hung*	The wind effect on biogeochemistry in eddy cores in the Northern South China Sea	<i>Frontiers in Marine Science-Marine Ecosystem Ecology</i>	2021	5.247	5.3%
10	Chou, W.-C., L.-F. Fang, C.-C. Yang, Y.-H. Chen, C. C. Hung, W. J. Huang , Y.-Y. Shih, K.-Y. Soong, H.-C. Tseng, G.-C. Gong, H.-Y. Chen, C.-K. Su	A Unique Diel Pattern in Carbonate Chemistry in the Seagrass Meadows of Dongsha Island: The Enhancement of Metabolic Carbonate Dissolution in a Semienclosed Lagoon	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
11	RJ Yang, JT Liu, CC Su, Y Chang, JJ Xu, HK Lui	Land-Ocean Interaction Affected by the Monsoon Regime Change in Western Taiwan Strait	<i>Frontiers in Marine Science, 1598 (SCI, IF: 3.23)</i>	2021	5.247	5.3%

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12	Huang, T.H. , W.J. Cai*, P. Vlahos, D.W.R. Wallace, E.R. Lewis, C.T.A. Chen	The Mid-Atlantic Bight dissolved inorganic carbon system observed in the March 1996 DOE Ocean Margins Program (OMP) -A baseline study	<i>Frontiers in Marine Science</i> , 8:629412	2021	5.247	5.3%
13	Tew, Kwee Siong* ; Kuo, Jimmy; Cheng, Jing-O; Ko, Fung-Chi; Meng, Pei-Jie; Mayfield, Anderson B.; Liu, Pi-Jen	Impacts of Seagrass on Benthic Microalgae and Phytoplankton Communities in an Experimentally Warmed Coral Reef Mesocosm	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
14	Lin, Chi-hung; Lin, Hsing-Juh ; Suen, Jian-Ping; Chou, Lien-Siang	Association Between Estuary Characteristics and Activities of the Critically Endangered Indo-Pacific Humpback Dolphin (<i>Sousa chinensis</i>)	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
15	Sudo, Kenji; Quiros, T. E. Angela L.; Prathep, Anchana; Luong, Cao Van; Lin, Hsing-Juh ; Bujang, Japar Sidik; Ooi, Jillian Lean Sim; Fortes, Miguel D.; Zakaria, Muta Harah; Yaakub, Siti Maryam; Tan, Yi Mei; Huang, Xiaoping; Nakaoka Masahiro	Distribution, Temporal Change, and Conservation Status of Tropical Seagrass Beds in Southeast Asia: 2000-2020	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
16	Lin, Wei-Jen; Chiu, Ming-Chih; Lin, Chiao-Wen; Lin, Hsing-Juh*	Effects of Sediment Characteristics on Carbon Dioxide Fluxes Based on Interacting Factors in Unvegetated Tidal Flats	<i>Frontiers in Marine Science</i>	2021	5.247	5.3%
17	Chen*, C.-C., G.-C. Gong, K.-P. Chiang, F.-K. Shiah, C.-C. Chung, C.-C. Hung	Scaling effects of a eutrophic river plume on organic carbon consumption	<i>Limnology and Oceanography</i> , 66, 1867–1881	2021	5.019	6.1%
18	Tzu-Jung Yu†, Yuan-Bin Cheng† , Li-Ching Lin, Yi-Hong Tsai, Bo-Yi Yao, Jen-Yang Tang, Fang-Rong Chang, Chia-Hung Yen, Fu Ou-Yang,* Hsueh-Wei Chang*	Physalis peruviana-Derived Physapruin A (PHA) Inhibits Breast Cancer Cell Proliferation and Induces Oxidative-Stress-Mediated Apoptosis and DNA Damage	<i>Antioxidants</i> , 2021, 10, 393	2021	7.675	6.3%
19	Wangta Liu, Li-Ching Lin, Pei-Ju Wang, Yan-Ning Chen, Sheng-Chieh Wang, Ya-Ting Chuang, I-Hsuan Tsai, Szu-Yin Yu, Fang-Rong Chang, Yuan-Bin Cheng , Li-Chen Huang, Ming-Yii Huang* Hsueh-Wei Chan*	Nepenthes Ethyl Acetate Extract Provides Oxidative Stress-Dependent Anti-Leukemia Effects	<i>Antioxidants</i> , 2021, 10, 1410	2021	7.675	6.3%
20	Sheng-Yao Peng, Li-Ching Lin, Shu-Rong Chen, Ammad A. Farooqi, Yuan-Bin Cheng , Jen-Yang Tang*, Hsueh-Wei Chang*	Pomegranate Extract (POMx) Induces Mitochondrial Dysfunction and Apoptosis of Oral Cancer Cells	<i>Antioxidants</i> , A2021, 10, 1117	2021	7.675	6.3%

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21	Kuo, Jimmy; Chen, Ching-Yi; Han, Chiao-Chuan; Ju, Yu-Min; Tew, Kwee Siong*	Analyses of diet preference of larval orange-spotted grouper (<i>Epinephelus coioides</i>) grown under inorganic fertilization method using next-generation sequencing	<i>Aquaculture</i>	2021	5.135	7.1%
22	Wu, J.Y., S.Y. Lin, S.H. Peng, J.J. Hung, C.T.A. Chen, L.L. Liu*	Isotopic niche differentiation in benthic consumers from shallow-water hydrothermal vents and nearby non-vent rocky reefs in northeastern Taiwan	<i>Progress in Oceanography, 195, Article 102596</i>	2021	4.416	7.6%
23	Ueda, M.; Kamikawa, K.; Fukuyama, T.; Wang, Y.-T.; Wu, Y.-K.; Ryu, I.*	Site-Selective Alkenylation of Unactivated C(sp ³)-H Bonds Mediated by Compact Sulfate Radical	<i>Angewandte Chemie-International Edition, 60, 3545-3550</i>	2021	16.823	8.4%
24	Wang, H.W., S. Kandasamy*, Q.Q. Liu, B.Z. Lin, J.Y. Lou, Y. Veeran, H.Y. Lei, Z.F. Liu, C.T.A. Chen	Roles of sediment supply, geochemical composition and monsoon on organic matter burial along the longitudinal mud belt in the East China Sea in modern times	<i>Geochimica et Cosmochimica Acta, 305, 66-86</i>	2021	5.921	9.2%
25	Zou, Yi-Fang; Chen, Kuan-Yu; Lin, Hsing-Juh*	Significance of belowground production to the long-term carbon sequestration of intertidal seagrass beds	<i>Science of the Total Environment</i>	2021	10.754	9.3%
26	Wang, Sai; Wang, Tuan-Tuan; Lin, Hsing-Juh ; Stewart, Simon D.; Cheng, Gong; Li, Wei; Yang, Feng-Juan; Huang, Wen-Da; Chen, Zhong-Bing; Xie, Song-Guang	Impacts of environmental factors on the food web structure, energy flows, and system attributes along a subtropical urban river in southern China	<i>Science of the Total Environment</i>	2021	10.754	9.3%
27	Yang, B., X.L. Gao*, J.M. Zhao, Y.L. Liu, T.C. Gao, H.K. Lui, T.H. Huang, C.T.A. Chen, Q.G. Xing	The influence of summer hypoxia on sedimentary phosphorus biogeochemistry in a coastal scallop farming area, North Yellow Sea	<i>Science of the Total Environment, 759, Article 143486</i>	2021	10.753	9.3%
28	Yang, B., X.L. Gao*, J.M. Zhao*, Y.L. Liu, H.K. Lui, T.H. Huang, C.T.A. Chen, Q.G. Xing	Massive shellfish farming might accelerate coastal acidification: A case study on carbonate system dynamics in a bay scallop (<i>Argopecten irradians</i>) farming area, North Yellow Sea.	<i>Science of The Total Environment, 798, Article 149214,</i>	2021	10.753	9.3%
29	Huang, C.-C., S.-K. Chang* , S.-W. Shyue	Sustain or phase out: transformation of Taiwan's management scheme on distant water tuna longline fisheries	<i>Marine Policy, 123: 104297</i>	2021	4.315	9.4%
30	Hong, Hualong; Wu, Shengjie; Wang, Qiang; Qian, Lu; Lu, Haoliang; Liu, Jingchun; Lin, Hsing-Juh ; Zhang, Jie; Xu, Wei-Bin; Yan, Chongling	Trace metal pollution risk assessment in urban mangrove patches: Potential linkage with the spectral characteristics of chromophoric dissolved organic matter	<i>Environmental Pollution</i>	2021	9.988	10.0%

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31	Hsieh, Shih-Hung; Yuan, Chung-Shin; Ie, Iau-Ren; Yang, Lei; Lin, Hsing-Juh ; Hsueh, Mei-Li	In-situ measurement of greenhouse gas emissions from a coastal estuarine wetland using a novel continuous monitoring technology: Comparison of indigenous and exotic plant species	<i>Journal of Environmental Management</i>	2021	8.910	12.2%
32	Mo Aqib Raza Khan, Bo-Wei Wang, Yih-Yu Chen, Ting-Hsuan Lin, Hsiu-Chin Lin, Yu-Liang Yang, Ka-Lai Pang, Chih-Chuang Liaw*	Natural polyketide 6-pentyl-2H-pyrone-2-one and its synthetic analogues efficiently prevent marine biofouling	<i>Biofouling, 2021, 37, 257-266</i>	2021	3.797	12.4%
33	Shu-Rong Chen, Shih-Wei Wang, Yu-Chi Lin, Chen-Lin Yu, Juei-Yu Yen, Yih-Fung Chen*, Yuan-Bin Cheng*	Additional alkaloids from <i>Zoanthus vietnamensis</i> with neuroprotective and anti-angiogenic effects	<i>Bioorganic Chemistry, 109, 104700</i>	2021	5.307	14.3%
34	Pan, Y.W.*; Y.F. Li, Q.W. Ma, H.Q. He, S.Y. Wang, Z.T. Sun, W.J. Cai, B. Dong, Y.N. Di, W.O. Fu, C.T.A. Chen	The role of Mg ²⁺ in inhibiting CaCO ₃ precipitation from seawater	<i>Marine Chemistry, 237, 104036</i>	2021	3.994	15.2%
35	Hui-Chun Wang, Tzu-Yi Ke, Ya-Chen Ko, Jue-Jun Lin, Jui-Sheng Chang, and Yuan-Bin Cheng*	Anti-Inflammatory Azaphilones from the Edible Alga-Derived Fungus <i>Penicillium sclerotiorum</i>	<i>Marine Drugs, 19, 529</i>	2021	6.085	15.9%
36	Yu-Chi Lin, Yi-Jen Chen, Shu-Rong Chen, Wan-Ju Lien, Hsueh-Wei Chang, Yu-Liang Yang, Chia-Ching Liaw, Jui-Hsin Su, Ching-Yeu Chen*, Yuan-Bin Cheng*	Targeted Isolation of Xenicane Diterpenoids from Taiwanese Soft Coral <i>Asterospicularia laurae</i>	<i>Marine Drugs, 2021, 19, 123</i>	2021	6.085	15.9%
37	Wang, Kuang-Teng ; Hong, Ming-Chang; Wu, Yu-Sheng; Wu, Tsung-Meng*	Agrobacterium-Mediated Genetic Transformation of Taiwanese Isolates of <i>Lemna aequinoctialis</i>	<i>PLANTS-BASEL</i>	2021	4.658	16.3%
38	Chen H.-S., K.-S. Chen, C.-Y. Chen, C.-C. Hung , P.-J. Meng, M.-H. Chen*	Spatiotemporal distribution of shrimp assemblages in the western coastal waters off Taiwan at the Tropic of Cancer, Western Pacific Ocean	<i>Estuarine, Coastal and Shelf Science, 255</i>	2021	3.229	17.7%
39	Chen, X.G.*; M.Z. Yu, Z.Y. Qiu, P.S. Loh, C.T.A. Chen , D. Garbe-Schönberg, M. Schmidt, X.Y. Wang, Y. Ye	High-Ca vent fluids discharged from the Lutao arc volcanic hydrothermal system are associated with albitization and recycling of marine carbonate	<i>Chemical Geology, 585, 120583</i>	2021	4.685	19.5%
40	Pan, Sin-He; Ho, Chuan-Wen; Lin, Chiao-Wen; Huang, Shou-Chung; Lin, Hsing-Juh*	Differential Response of Macrobenthic Abundance and Community Composition to Mangrove Vegetation	<i>Forests</i>	2021	3.282	20.3%
41	Lin, Chiao-Wen; Kao, Yu-Chen; Lin, Wei-Jen; Ho, Chuan-Wen; Lin, Hsing-Juh*	Effects of Pneumatophore Density on Methane Emissions in Mangroves	<i>Forests</i>	2021	3.282	20.3%

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42	Ching-Chieh Kao, Po-Hsiung Kung, Chi-Jung Tai, Meng-Chun Tsai, Yuan-Bin Cheng , Chin-Chung Wu*	Juglone prevents human platelet aggregation through inhibiting Akt and protein disulfide isomerase	<i>Phytomedicine</i> , 82, 153449	2021	4.004	22.3%
43	Yan, Q., T.T. Cheng, J.T. Song, J. Zhou, C.-C. Hung , Z. Cai*	Internal nutrient loading is a potential source of eutrophication in Shenzhen Bay, China	<i>Ecological Indicators</i> , 127, 107736	2021	6.263	24.0%
44	Yu-Shih Lin, Huei-Ting Lin, Bo-Shian Wang, Wei-Jen Huang , Li-Hung Lin, An-Yi Tsai	Intense but variable autotrophic activity in a rapidly flushed shallow-water hydrothermal plume (Kueishantao Islet, Taiwan)	<i>Geobiology (Vol. 19, Issue 1, pp. 87–101)</i>	2021	4.216	25.5%
45	Huang, W.J.* , M.T. Lee, K.C. Huang, M.A. Lee, Y.J. Yang, S. Jan, C.T.A Chen*	Radiocesium in the Taiwan Strait and the Kuroshio east of Taiwan from 2018 to 2019.	<i>Scientific Reports</i> , 11, Article number 22467	2021	4.996	26.0%
46	Hsieh, H.-H., V. Weerathunga, W. S. Weerakkody, W.-J. Huang, F. L. L. Muller, M. C. Benfeld & C.-C. Hung*	The effects of low pH on the taste and amino acid composition of tiger shrimp	<i>Scientific Reports</i> , 11:21180	2021	4.996	26.0%
47	Chen, C.T.A.* , Y. Bai*, T.H. Huang , X.Q. He, H.W. Chen and S.J. Yu	Southward spreading of the Changjiang Diluted Water in the La Niña spring of 2008	<i>Scientific Reports</i> , 11, Article number: 307	2021	4.996	26.0%
48	Chen, C.T.A.* , T.H. Huang* , C.H. Wu, H.Y. Yang, X.Y. Guo	Variability of the nutrient stream near Kuroshio's origin	<i>Scientific Reports</i> , 11, Article number: 5080	2021	4.996	26.0%
49	Lin, Y.-C.; Yen, K.-W.; Lin, H.-J.; Yang, Y.-C.; Wu, Y.-K.*	Haloarene-Guided Cascade Arylation of Cyclic Vinylogous Esters under Palladium Catalysis	<i>Chemical Communications</i> , 57, 12119-12122	2021	6.065	29.6%
50	Ito, Minako Abe; Lin, Hsing-Juh ; O'Connor, Mary, I; Nakaoka, Masahiro	Large-scale comparison of biomass and reproductive phenology among native and non-native populations of the seagrass <i>Zostera japonica</i>	<i>Marine Ecology Progress Series</i>	2021	2.915	30.1%
51	Kuan-Hua Lin, Yu-Chi Lin, Chiung-Yao Huang, Yen-Ju Tseng, Shu-Rong Chen, Yuan-Bin Cheng , Tsong-Long Hwang, Sheng-Yang Wang, Hsing-Yin Chen, Chang-Feng Dai, Jyh-Horng Sheu*	Cembranoid-related diterpenes, novel secoditerpenes, and an unusual bisditerpene from a Formosan soft coral <i>Sarcophyton tortuosum</i>	<i>Bulletin of the Chemical Society of Japan</i> , 94, 2774–2783	2021	5.121	34.6%
52	Po-Wei Su, Gwo-Liang Zhang*, Bonien Chen, Keryea Soong, Li-Lian Liu*	Reproduction and early juvenile growth of the giant clams <i>Tridacna noae</i> and <i>Tridacna maxima</i> in Taiwan	<i>Zoological Studies</i> 60:49	2021	1.904	35.2%
53	Koh, Chao-Nien; Chiu, Ming-Chih; Jaung, Ling-Mu; Lu, Yung-Jen; Lin, Hsing-Juh*	Effects of Farming Systems on Insect Communities in the Paddy Fields of a Simplified Landscape During a Pest-control Intervention	<i>Zoological Studies</i>	2021	1.904	35.2%

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54	Kun-Han Yang, Jen-Yang Tang, Yan-Ning Chen, Ya-Ting Chuang, I-Hsuan Tsai, Chien-Chih Chiu, Li-Jie Li, Tsu-Ming Chien, Yuan-Bin Cheng , Fang-Rong Chang, Ching-Yu Yen*, Hsueh-Wei Chano*	Nepenthes Extract Induces Selective Killing, Necrosis, and Apoptosis in Oral Cancer Cells	<i>Journal of Personalized Medicine, 11, 871</i>	2021	3.508	37.6%
55	Lui, H.K.* , M.Y. Liu, H.C. Lin, H.C. Tseng, L.L. Liu , F.Y. Wang, W.P. Hou, R. Chang, C.T.A. Chen*	Hydrogeochemistry and Acidic Property of Submarine Groundwater Discharge Around Two Coral Islands in the Northern South China Sea	<i>Frontiers in Earth Science, 9, Article 697388</i>	2021	3.661	37.8%
56	Chen, X.G.*, M. Schmidt, C.L. Chen, W. Duan, A. Jin, C.T.A. Chen* , Y. Ye	Carbon and hydrogen isotope fractionation during aerobic oxidation of short-chain alkanes in experimental incubations of vent fluids	<i>Organic Geochemistry, 158, 104269</i>	2021	3.623	37.9%
57	Lee, Chen-Lu; Lin, Wei-Jen; Liu, Pi-Jen; Shao, Kwang-Tsao; Lin, Hsing-Juh*	Highly Productive Tropical Seagrass Beds Support Diverse Consumers and a Large Organic Carbon Pool in the Sediments	<i>Diversity-Basel</i>	2021	3.031	38.5%
58	Chen, Bonien; Chu, Tah-Wei; Chiu, Kuohsun; Hong, Ming-Chang; Wu, Tsung-Meng ; Ma, Jui-Wen; Liang, Chih-Ming; Wang, Wei-Kuang	Transcriptomic analysis elucidates the molecular processes associated with hydrogen peroxide-induced diapause termination in Artemia-encysted embryos	<i>PLOS ONE</i>	2021	3.752	39.2%
59	Ghada Mahmoud Abdelwahab*, Amira Mira, Yuan-Bin Cheng , Tarek A. Abdelaziz, Mohamed Farid I. Lahloub, Ashraf Taha Khalil	Acetylcholine esterase inhibitory activity of green synthesized nanosilver by naphthopyrones isolated from marine-derived <i>Aspergillus niger</i>	<i>PLoS ONE, 16(9): e0257071</i>	2021	3.240	39.7%
60	Lu, K.T., H.K. Lui* , C.T.A. Chen* , L.L. Liu , L. Yang, C. D. Dong, C.W. Chen	Using onboard-produced drinking water to achieve a ballast-free management	<i>Sustainability, 13 (14), 7648</i>	2021	3.889	44.9%
61	Chen, Kuo-Shu, Hsu-Sen Chen, Chiee-Young Chen, Yan-Lin Su, Pei-Jie Meng, & Meng-Hsien Chen*	Multivariate analysis of spatial species diversity of demersal fish assemblages in relation to habitat characteristics in a subtropical national park, Taiwan	<i>Marine Biodiversity (2022) 52:4.</i>	2021	1.815	55.4%
62	Chu, Jen-Hong; Liu, Kuan-Ju; Wu, Tsung-Meng	Effects of pitaya (<i>Hylocereus polyrhizus</i>) fermentation waste dietary supplement on growth performance, and anti-oxidation of Pinnate batfish. <i>Platax pinnatus</i>	<i>AQUACULTURE RESEARCH</i>	2021	2.184	55.6%
63	Loh, P.S.* , C.T.A. Chen* , T.H. Huang , H.K. Lui , J.Y. Lou, H.W. Yuan, L.X. Cheng, X.G. Chen, J.F. Chen	Monitoring Sediment and Water Chemistry in Small Remote Aquatic Systems in East Sepik Province, Papua New Guinea	<i>Water Air And Soil Pollution, 232 (11), Article number: 446</i>	2021	2.984	63.8%

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64	Jhang, Y.-J.; Chang, C.-Y.; Lin, Y.-H.; Lee, C.-C.; Wu, Y.-K.*	Palladium-Catalyzed Substitution of Allylic Alcohols with Sulfinate Salts: A Synthesis of Bicalutamide	<i>Tetrahedron Letters</i> , 73, 153060	2021	2.032	64.3%
65	Lin, Y.-C.; Wu, Y.-K.*	Synthetic Routes to Crinine and Vittatine	<i>Journal of the Chinese Chemical Society</i> , 68, 1812-1828	2021	1.753	75.4%
66	Tew, Kwee Siong ; Chen, Hsin-Ling; Han, Chiao-Chuan	Variation in reproductive traits of the river prawn, <i>Macrobrachium nipponense</i> (De Haan, 1849) (Caridea, Palaemonidae) among different sites in southern Taiwan	<i>Crustaceana</i>	2021	0.758	86.7%
67	Chen, C.T.A. , M.Y. Kuo* and L.L. Liu*	The overlooked PM cycle through marine animals	<i>Environmental Analysis & Ecology Studies</i> , 9(1), EAES. 000702. 2021.	2021	0.787	N/A
68	Nayak, Y., Y.K. Sahu, K.S. Patel*, S. Sharma, C.-C. Hung , P. Martín-Ramos, S. Yurdakul	Distribution and Sources of Polychlorinated Biphenyls in Air, Dust, and Sediment from India	<i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 25(1), 05020004	2021	2.442	Q2
69	Wu, J.Y., S.Y. Lin, S.H. Peng, J.J. Hung, C.T.A. Chen , L.L. Liu*	Data on isotopic niche differentiation in benthic consumers from shallow-water hydrothermal vents and nearby non-vent rocky reefs in northeastern Taiwan	<i>Data in Brief</i> , 37, 107216	2021	0.131	Q4
70	Lin, Wei-Jen; Wu, Jihua; Lin, Hsing-Juh*	Contribution of unvegetated tidal flats to coastal carbon flux	<i>Global Change Biology</i>	2020	10.863	1.7%
71	Chen, Meng-Hsien* , Yu-Ting Lin, Chien-Cheng Lai, Lien-Siang Chou & Chiee-Young Chen	Tissue concentrations of, Fe, Zn, Cu and Mn of four Taiwanese toothed	<i>Marine Pollution Bulletin</i> , 158 (2020) 111094	2020	5.553	2.7%
72	Saleh, A. *, J.V. Samiei, F. Amini-Yekta, M.S. Hashtroudi, C.T.A. Chen , N.S. Fumani	The carbonate system on the coral patches and rocky intertidal habitats of the northern Persian Gulf: Implications for ocean acidification studies	<i>Marine Pollution Bulletin</i> , 151, 110834	2020	5.553	2.7%
73	Liu, D., Y. Bai*, X.Q. He, C.T.A. Chen , T.H. Huang , D.L. Pan, X.Y. Chen, D.F. Wang and L. Zhang	Changes in riverine organic carbon input to the ocean from mainland China over the past 60 years	<i>Environment International</i> , 134, 105258	2020	9.261	5.1%
74	Shih, Y.-Y., C.-C. Hung* , S.-Y. Huang, F.L.L. Muller, Y.-H. Chen	Biogeochemical variability of the upper ocean response to typhoons and storms in the northern South China Sea	<i>Frontiers in Marine Science</i> , 7:151	2020	4.912	5.5%
75	S. Mau, T.-H. Tu , M. Becker, C. Santos Ferreira, J.-N. Chen, L.-H. Lin, P.-L. Wang, S. Lin, G. Bohrmann	Methane Seeps and Independent Methane Plumes in the South China Sea Offshore Taiwan	<i>Frontiers in Marine Science</i>	2020	4.912	5.5%

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76	Lin, Chien-Hsiang, Jing-Siang Lin, Kuo-Shu Chen, Meng-Hsien Chen , Chiee-Young Chen & Chih-Wei Chang	Feeding habits of bigeye tuna (<i>Thunnus obesus</i>) in the western Indian Ocean reveal a size-related shift in its fine scale piscivorous diet	<i>Frontiers in Marine Science</i> 7:582571	2020	4.912	5.5%
77	Wen-Chen Chou*, Pi-Jen Liu, Ying-Hsuan Chen, Wei-Jen Huang	Contrasting Changes in Diel Variations of Net Community Calcification Support That Carbonate Dissolution Can Be More Sensitive to Ocean Acidification Than Coral Calcification	<i>Frontiers in Marine Science</i> , 7, 3	2020	4.912	5.5%
78	Tai J.-H., W.-C. Chou*, C.-C. Hung , K.-C. Wu, Y.-H. Chen, T.-Y. Chen, G.-C. Gong, F.-K. Shiah, C.H. Chow	Short-term variability of biological production and CO2 system around Dongsha Atoll of the northern South China Sea: impact of topography-flow interaction	<i>Frontiers in Marine Science</i> , 7:511	2020	4.912	5.5%
79	Lui, H.K.* , C.T.A. Chen* , W.P. Hou, J.M. Liau, W.C. Chou, Y.L. Wang, C.R. Wu, J. Lee, Y.C. Hsin and Y.Y. Choi	Intrusion of Kuroshio helps to diminish coastal hypoxia in the coast of northern South China Sea	<i>Frontiers in Marine Science</i> , 7:565952	2020	4.912	5.5%
80	Dahdouh-Guebas, Farid; Ajonina, Gordon N.; Amir, A. Aldrie; Andradi-Brown, Dominic A.; Aziz, Irfan; Balke, Thorsten; Barbier, Edward B.; Cannicci, Stefano; Cragg, Simon M.; Cunha-Lignon, Marilia; Curnick, David J.; Duarte, Carlos M.; Duke, Norman C.; Endsor, Charlie; Fratini, Sara; Feller, Ilka C.; Fromard, Francois; Hug, Jean; Huxham, Mark; Kairo, James G.; Kajita, Tadashi; Kathiresan, Kandasamy; Koedam, Nico; Lee, Shing Yip; Lin, Hsing-Juh ; Mackenzie, Jock R.; Mangora, Mwita M.; Marchand, Cyril; Meziane, Tarik; Minchinton, Todd E.; Pettorelli, Nathalie; Polania, Jaime; Polgar, Gianluca; Poti, Meenakshi; Primavera, Jurgenne; Quarto, Alfredo; Rog, Stefanie M.; Satyanarayana, Behara; Schaeffer-Novelli, Yara; Spalding, Mark; Van der Stocken, Tom; Wodehouse, Dominic; Yong, Jean W. H.; Zimmer, Martin; Friess, Daniel A.	Public Perceptions of Mangrove Forests Matter for Their Conservation	<i>Frontiers in Marine Science</i>	2020	4.912	5.5%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
81	Cai, W.J.*, Y.Y. Xu, R.A. Feely, R. Wanninkhof, B. Jönsson, S.R. Alin, L. Barbero, J. Cross, K.O. Azetsu-Scott, A. Fassbender, B.R. Carter, L.Q. Jiang, P. Pepin, B.S. Chen, N. Hussain, J. Reimer, L. Xue, J.E. Salisbury, J. M. Hernández-Ayón, C. Langdon, Q. Li, A.J. Sutton, C.T.A. Chen , and D.Gledhill	Controls on surface water carbonate chemistry along North American ocean margins	<i>Nature Communications</i> , 11, Article number: 2691	2020	14.919	5.6%
82	Liu, L.L. , C.Y. Hsieh, M.Y. Kuo, C.H. Chen, Y.H. Shau, H.K. Lui , C.S. Yuan, and C.T.A. Chen*	Evidence for fossil-fuel PM ₁ accumulation in marine biota	<i>Environmental Science & Technology</i> , 54(7), 4068-4078	2020	9.028	7.3%
83	Lu, Y.X., X.L. Gao*, J.M. Song, C.T.A. Chen , J.L. Chu	Colloidal toxic trace metals in urban riverine and estuarine waters of Yantai City, southern coast of North Yellow Sea	<i>Science of the Total Environment</i> , 717, 135265	2020	7.963	9.1%
84	Liu, Pi-Jen; Ang, Shin-Jing; Mayfield, Anderson B.; Lin, Hsing-Juh*	Influence of the seagrass <i>Thalassia hemprichii</i> on coral reef mesocosms exposed to ocean acidification and experimentally elevated temperatures	<i>Science of the Total Environment</i>	2020	7.963	9.1%
85	Jen-Yang Tang, Kuang-Han Wu, Yen-Yun Wang, Ammad Ahmad Farooqi, Hurng-Wern Huang, Shyng-Shiou F. Yuan, Ru-In Jian, Li-Yi Tsao, Po-An Chen, Fang-Rong Chang, Yuan-Bin Cheng , Hao-Chun Hu*, Hsueh-Wei Chang*	Methanol Extract of <i>Usnea barbata</i> Induces Cell Killing, Apoptosis, and DNA Damage against Oral Cancer Cells through Oxidative Stress	<i>Antioxidants</i> , 2020, 9, 694	2020	6.313	9.7%
86	Tzu-Jung Yu, Jen-Yang Tang, Li-Ching Lin, Wan-Ju Lien, Yuan-Bin Cheng , Fang-Rong Chang, Fu Ou-Yang *, Hsueh-Wei Chang *	Withanolide C Inhibits Proliferation of Breast Cancer Cells via Oxidative Stress-Mediated Apoptosis and DNA Damage	<i>Antioxidants</i> , 2020, 9, 873	2020	6.313	9.7%
87	Sheng-Yao Peng, Li-Ching Lin, Zhe-Wei Yang, Fang-Rong Chang, Yuan-Bin Cheng , Jen-Yang Tang*, Hsueh-Wei Chang*	Combined Treatment with Low Cytotoxic Ethyl Acetate Nepenthes Extract and Ultraviolet-C Improves Antiproliferation to Oral Cancer Cells via Oxidative Stress	<i>Antioxidants</i> , 2020, 9, 876	2020	6.313	9.7%
88	Huang, H.-J.; Wang, Y.-T.; Wu, Y.-K.; Ryu, I.*	Pd/light-induced alkyl-alkenyl coupling reaction between unactivated alkyl iodides and alkenylboronic acids	<i>Organic Chemistry Frontiers</i> . 2020, 7, 1266-1270	2020	5.281	12.5%
89	Cheng-Chien Liu*	Adaptive Contrast Enhancement of Optical Imagery Based on Level of Detail (LOD)	<i>Remote Sensing</i> , 12(10), 1555	2020	4.848	13.5%
90	Dang, X.Y., X.Y. Chen*, Y. Bai, X.Q He, C.T.A. Chen , T. Li, D.L. Pan, Z.K. Zhang	Impact of ENSO events on phytoplankton over the Sulu Ridge	<i>Marine Environmental Research</i> , 157, 104934	2020	3.130	16.4%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
91	Yu, Hsin-Yu; Huang, Shou-Chung; Lin, Hsing-Juh*	Factors structuring the macrobenthos community in tidal algal reefs	<i>Marine Environmental Research</i>	2020	3.130	16.4%
92	Lin, Y.S., J. Lee, L.H. Lin, K.H. Fu, C.T.A. Chen , Y.H. Wang, I.H. Lee*	Biogeochemistry and dynamics of particulate organic matter in a shallow-water hydrothermal field (Kueishantao Islet, NE Taiwan)	<i>Marine Geology</i> , 422, 106121	2020	3.548	17.2%
93	Lee, Hung-Jen; Meng, Pei-Jie; Chen, Chung-Chi; Tew, Kwee Siong	Monsoon effects on the residence time of a coastal lagoon in southwestern Taiwan	<i>Estuarine Coastal and Shelf Science</i>	2020	2.929	17.7%
94	Wu, Tsung-Meng ; Jiang, Jhih-Jie; Lu, Ruo-Me; Lin, Yu-Hung	Effects of dietary inclusion of soybean meal and cholesterol on the growth, cholesterol status and metabolism of the giant grouper (<i>Epinephelus lanceolatus</i>)	<i>AQUACULTURE NUTRITION</i>	2020	3.497	18.2%
95	Eman Al-Sayed, Michal Korinek, Ahmed Esmat, Guan-Yu, Cheng Yuan-Bin Cheng , Pei-Wen Hsieh, Bing-Hung Chen, Tsong-Long Hwang*	Anti-inflammatory, hepatoprotective and antioxidant activity of ellagitannin isolated from <i>Melaleuca styphelioides</i>	<i>Phytochemistry</i> , 177, 112429	2020	4.072	18.7%
96	Battle, Laurie; Chang, Hao-Yen; Tzeng, Chyng-Shyan; Lin, Hsing-Juh*	Modeling the impact of dam removal on the Formosan landlocked salmon in the context of climate change	<i>Aquatic Sciences</i>	2020	2.744	19.0%
97	Laurie Battle; Hao-Yen Chang; Chyng-Shyan Tzeng; Hsing-Juh Lin*	Modeling the impact of dam removal on conservation of the Formosan landlocked salmon in the context of climate change	<i>Aquatic Sciences</i>	2020	2.744	19.0%
98	Huang, W.J.* , K.J. Kao, Y.S. Lin, C.T.A. Chen , J.T. Liu	Daily to weekly impacts of mixing and biological activity on carbonate dynamics in a large river-dominated shelf	<i>Estuarine, Coastal and Shelf Science</i> , 245, 106914	2020	2.929	19.1%
99	Huang, T.-Y., C.-Y. Huang, S.-R. Chen, J.-R. Weng, T.-H. Tu, Y.B. Cheng , S.H. Wu, J.-H. Sheu	New Hydroquinone Monoterpenoid and Cembranoid-Related Metabolites from the Soft Coral <i>Sarcophyton tenuispiculatum</i>	<i>Marine Drugs</i>	2020	5.118	19.4%
100	Lin, Chiao-Wen; Kao, Yu-Chen; Chou, Meng-Chun; Wu, Hsin-Hsun; Ho, Chuan-Wen; Lin, Hsing-Juh*	Methane Emissions from Subtropical and Tropical Mangrove Ecosystems in Taiwan	<i>Forests</i>	2020	2.634	19.4%
101	Shu-Rong Chen, Shih-Wei Wang, Jyh-Horng Sheu, Ting-Hsuan Chang, and Yuan-Bin Cheng*	Zoanthamine Alkaloid Derivatives from the Zoantharian <i>Zoanthus vietnamensis</i> with Anti-Metastatic Activity	<i>The Journal of Organic Chemistry</i> , 2020, 85, 19, 12553–12560	2020	4.354	21.1%
102	Fang-Rong Chang, Shih-Wei Wang, Shu-Rong Chen, Ching-Ying Lee, Jyh-Horng Sheu, Yuan-Bin Cheng*	Aleuritin, a novel dinor-diterpenoid from the twigs of <i>Aleurites moluccanus</i> with anti-lymphangiogenic effect	<i>Organic & Biomolecular Chemistry</i> , 2020, 18, 7892-7898	2020	3.876	22.8%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
103	Huang, T.H., C.T.A. Chen* , Y. Bai and X.Q. He	Elevated primary productivity triggered by mixing in the quasi-cul-de-sac Taiwan Strait during the NE monsoon	<i>Scientific Reports</i> , 10, Article number: 7846	2020	4.380	23.6%
104	Chang, Y.-H.; Peng, W.-L.; Chen, I.-C.; Hsu, H.-Y.; Wu, Y.-K.*	Palladium-catalyzed α -arylation of indolin-3-ones	<i>Chemical Communications</i> , 56, 4660-4663	2020	6.222	24.7%
105	Chien, C.-C.; Kao, S.-C.; Chen, C.-J.; Wu, Y.-K.*	Photo-Fries rearrangement in flow under aqueous micellar conditions	<i>Chemical Communications</i> , 56, 15470-15472	2020	6.222	24.7%
106	Lin, Zhe-Yu; Chen, Hsuan-Wien; Lin, Hsing-Juh*	Trophic model of a deep-sea ecosystem with methane seeps in the South China Sea	<i>Deep-Sea Research Part I-Oceanographic Research Papers</i>	2020	2.955	29.7%
107	Maunder*, M.N., Thorson, J.T., Xu, H., Oliveros-Ramos, R., Hoyle, S.D., Tremblay-Boyer, L., Lee, H.H. Kai, M., Chang, S.-K. , Kitakado, T, Albertsen, C.M., Minte-Vera, C.V., Lennert-Cody, C.E., Aires-da-Silva, A.M., Piner, K.R.	The need for spatio-temporal modeling to determine catch-per-unit effort based indices of abundance and associated composition data for inclusion in stock assessment models	<i>Fisheries Research</i> , 229: 105594	2020	2.147	34.0%
108	Yu-Chi Lin, Jue-Jun Lin, Shu-Rong Chen, Tsong-Long Hwang, Shu-Yen Fang, Michal Korinek, Ching-Yeu Chen, Yun-Sheng Lin, Tung-Ying Wu, Ming-Hong Yen, Chih-Hsin Wang,* and Yuan-Bin Cheng*	Clerodane Diterpenoids from <i>Callicarpa hypoleucophylla</i> and Their Anti-Inflammatory Activity	<i>Molecules</i> , 25, 2288	2020	4.412	35.4%
109	Shih, Y.-Y., C.-C. Hung* , S.-H. Tuo, H.-J. Shao, C.-H. Chow, F.L.L. Muller and Y.-H. Cai	The impact of eddies on nutrient supply, diatom biomass and carbon export in the northern South China Sea	<i>Frontiers in Earth Science</i> , 8: 537332	2020	3.498	35.5%
110	Keshavmurthy S, HS Tee, K-W Kao, J-T Wang* , CA Chen*	Specificity trumps flexibility—location-based stable associations between Symbiodiniaceae genera and <i>Platygyra verweyi</i> (Scleractinia; Merulinidae)	<i>PeerJ</i> 8: e8791	2020	2.984	37.5%
111	Tse-Yang Teng, Jr-Chuan Huang, Tsung-Yu Lee, Yi-Chin Chen, Ming-Young Jan, Cheng-Chien Liu	Investigating Sediment Dynamics in a Landslide-Dominated Catchment by Modeling Landslide Area and Fluvial Sediment Export.	<i>Water</i> , 12(10): 2907	2020	3.103	39.8%
112	Huang, H.T., C.N. Pao, T.Y. Liao*, L.L. Liu*	Low genetic diversity of cultivated spotted hard clam (<i>Meretrix petechialis</i>) in Taiwan	<i>Aquaculture Research</i> , 51:2962–2972	2020	2.082	43.6%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
113	Chi-Ying Li, Ching-Chia Chang, Yi-Hong Tsai, Mohamed El-Shazly, Chin-Chung Wu, Shih-Wei Wang, Tsong-Long Hwang, Chien-Kei Wei, Judit Hohmann, Zih-Jie Yang, Yuan-Bin Cheng , Yang-Chang Wu, and Fang-Rong Chang*	Anti-inflammatory, Antiplatelet Aggregation, and Antiangiogenesis Polyketides from <i>Epicoccum sorghinum</i> : Toward an Understating of Its Biological Activities and Potential Applications	<i>ACS Omega</i> , 5, 11092-11099	2020	3.512	43.8%
114	Hao-Chun Hu, Chi-Ying Li, Yi-Hong Tsai, Dai-Yun Yang, Yang-Chang Wu, Tsong-Long Hwang, Shu-Li Chen, Ferenc Fülöp, Attila Hunyadi, Chia-Hung Yen, Yuan-Bin Cheng , and Fang-Rong Chang*	Secondary Metabolites and Bioactivities of <i>Aspergillus ochraceopetaliformis</i> Isolated from <i>Anthurium brownii</i> .	<i>ACS Omega</i> , 5, 20991-20999	2020	3.512	43.8%
115	Eman Al-Sayed, Tzu-Yi Ke, Tsong-Long Hwang, Shu-Rong Chen, Michal Korinek, Shu-Li Chen, and Yuan-Bin Cheng *	Cytotoxic and anti-inflammatory effects of lignans and diterpenes from <i>Cupressus macrocarpa</i>	<i>Bioorganic & Medicinal Chemistry Letters</i> , 2020, 30, 127127	2020	2.823	43.9%
116	Chang*, S.-K.	Taboos/norms and modern science, and possible integration for sustainable management of the flyingfish resource of Orchid Island, Taiwan	<i>Sustainability</i> , 12: 8621	2020	3.251	44.5%
117	Chen, X.G.*, M.Z. Yu, P.S. Loh, D. Garbe-Schönberg, Z.Y. Qiu, M. Schmidt, H.Y. Zhang, C.T.A. Chen , H. Zheng, Y. Ye	A tidal-influenced hydrothermal system temporarily cooled by a tropical storm	<i>Journal of Volcanology and Geothermal Research</i> , 393, 106792	2020	2.789	47.0%
118	Zhang, Z., W. Fan, W. Bao, C.T.A. Chen ; S. Liu, Y. Cai*	Recent developments of exploration and detection of shallow-water Hydrothermal Systems	<i>Sustainability</i> , 12 (21), 9109	2020	3.251	47.2%
119	Wang, Sai; Luo, Bang-Ke; Qin, Ying-Jun; Su, Lin-Hui; Stewart, Simon D.; Wang, Tuan-Tuan; Tang, Jin-Peng; He, Bai-Dong; Zhang, Jin-Hua; Lin. Hsing-Juh* ; Yang, Yang	Consumer-diet discrimination of delta(13)C and delta N-15: Source- and feeding-oriented patterns based on gut content analysis in a large subtropical river of China	<i>River Research and Applications</i>	2020	2.443	49.3%
120	Chou, C.-E.; Chen, Y.-A.; Lin, Y.-C.; Kao, S.-C.; Chang, C.-Y.; Wu, Y.-K.*	Formal synthesis of schulzeines B and C: A new route to Gurjar's lactams	<i>Journal of the Chinese Chemical Society</i> , 67, 2198-2203	2020	1.967	66.9%
121	Ming-Jen Cheng, Thanda Aung, Ming-Der Wu, Chih-Chuang Liaw , Jih-Jung Chen	Polar Constituent of the Endophytic Fungus <i>Ophiocordyceps sobolifera</i>	<i>Chem. Nat. Comp.</i> 2020, 56, 289-291	2020	0.809	91.2%
122	Liu, D., Y. Bai*, X.Q. He, D.L. Pan, C.T.A. Chen , T. Li, Y. Xu, C.H. Gong, L. Zhang	Satellite-derived particulate organic carbon flux in the Changjiang River through different stages of the Three Gorges Dam	<i>Remote Sensing of Environment</i> , 223, 154-165	2019	9.085	2.6%

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123	Liu, D., Y. Bai*, X.Q. He, B.Y. Tao, D.L. Pan, C.T.A. Chen , L. Zhang, Y. Xu, C.H. Gong	Satellite estimation of particulate organic carbon flux from Changjiang River to the estuary	<i>Remote Sensing of Environment</i> , 223, 307-319	2019	9.085	2.6%
124	Chih-Chuang Liaw , Jia-Lin Chang, Bo-Wei Wang, Pei-Lin Chen, Jing-Ru Weng, Kai-Wei Lin, and Chun-Nan Lin	Discovering a racemate polycyclic prenylated acylphloroglucinol with unprecedented skeleton by an ESI-LCMS analytical approach	<i>Org. Lett.</i> 2019, 21, 857–861	2019	6.091	7.0%
125	Yang, Y.-C.; Lin, Y.-C.; Wu, Y.-K.*	Palladium-Catalyzed Cascade Arylation of Vinylogous Esters Enabled by Tris(1-adamantyl)phosphine	<i>Organic Letters</i> , 21, 9286-9290	2019	6.091	7.0%
126	Chang* , S.-K. , N.-T. A. Hu, S. Basir, H.V. Duyen, P. Nootmorn, M.D. Santos, F. Satria	A step forward to the joint management of the South China Sea fisheries resources: joint works on catches, management measures and conservation issues	<i>Marine Policy (SSCI)</i>	2019	3.228	7.4%
127	Liu, T.-M., S.-K. Chang*	Changes in local knowledge and its impacts on ecological resources management: the case of flyingfish culture of the Tao in Taiwan	<i>Marine Policy</i> , 103:74-83. (SSCI)	2019	3.228	7.4%
128	Wang, Sai; Wang, Lin; Zheng, Yu; Chen, Zhong-Bing; Yang, Yang; Lin, Hsing-Juh ; Yang, Xiao-Oin; Wang, Tuan-Tuan	Application of mass-balance modelling to assess the effects of ecological restoration on energy flows in a subtropical reservoir, China	<i>Science of the Total Environment</i>	2019	6.551	8.3%
129	Kao, S.-C.; Lin, Y.-C.; Ryu, I.; Wu, Y.-K.*	Revisiting Hydroxyalkylation of Phenols with Cyclic Carbonates	<i>Advanced Synthesis & Catalysis</i> , 361, 3639-3644	2019	5.851	10.7%
130	Chun-Kuang Lin, Chin-Kai Tseng, Yu-Hsuan Wu, Chun-Yu Lin, Chung-Hao Huang, Weng-Hung Wang, Chih-Chuang Liaw , Yen-Hsu Chen, Jin-Ching Lee	Prostasin Impairs Epithelial Growth Factor Receptor Activation to Suppress Dengue Virus Propagation	<i>J. Infect. Dis.</i> 2019, 219, 1377-1388	2019	5.022	12.0%
131	Chen, Tung-Yun; Hwang, Gwo-Wen; Mayfield, Anderson B.; Chen, Chang-Po; Lin, Hsing-Juh*	The development of habitat suitability models for fiddler crabs residing in subtropical tidal flats	<i>Ocean & Coastal Management</i>	2019	4.295	12.1%
132	Shu-Rong Chen, Shih-Wei Wang, Fang-Rong Chang*, Yuan-Bin Cheng*	Anti-Lymphangiogenic Alkaloids from the Zoanthid <i>Zoanthus vietnamensis</i> Collected in Taiwan	<i>Journal of Natural Products</i> , 82, 2790-2799	2019	3.782	13.7%
133	Chang, C.-Y.; Wu, Y.-K.*	Palladium-Catalyzed α -Allylation of Secondary Nitroalkanes with Allylic Alcohols and Strategic Exploitation of Seebach's Reagent for the Total Synthesis of (\pm)-Adalinine	<i>Journal of Organic Chemistry</i> , 83, 6217-6224	2019	4.335	15.8%
134	Yi-Chin Chen*, Kang-Tsung Chang, Su-Fen Wang, Jr-Chuan Huang, Cheng-Ku Yu, Jien-Yi Tu, Hone-Jay Chu, Cheng-Chien Liu	Controls of preferential orientation of earthquake- and rainfall-triggered landslides in Taiwan's orogenic mountain belt	<i>Earth Surface Processes and Landforms</i> , 44, 1661-1674	2019	3.694	17.0%

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135	Hung, J.J., S.H. Peng, C.T.A. Chen , T.P. Wei, J.S. Hwang*	Reproductive adaptations of the hydrothermal vent crab <i>Xenograpsus testudinatus</i> : An isotopic approach	<i>PLOS ONE 14 (2): e0211516</i>	2019	1.904	17.3%
136	Wei-Jen Huang* , Wei-Jun Cai, Xiaohui Xie, Ming Li	Wind-driven lateral variations of partial pressure of carbon dioxide in a large estuary	<i>Journal of Marine Systems, 195, 67-73</i>	2019	2.528	18.7%
137	Jen-Yang Tang, Sheng-Yao Peng, Yuan-Bin Cheng , Chun-Lin Wang, Ammad Ahmad Farooqi, Tzu-Jung Yu, Ming-Feng Hou, Sheng-Chieh Wang, Chia-Hung Yen, Leong-Perng Chan, Fu Ou-Yang*, Hsueh-Wei Chang*	Ethyl acetate extract of <i>Nepenthes adrianae</i> x <i>clipeata</i> induces antiproliferation, apoptosis, and DNA damage against oral cancer cells through oxidative stress	<i>Environmental Toxicology, 2019, 34, 891–901</i>	2019	3.118	22.3%
138	Yang, L.Y.*,W. Chen, W.E. Zhuang, Q.O. Cheng, W.X. Li, H. Wang, W.D. Guo, C.T.A. Chen , M.H. Liu*	Characterization and bioavailability of rainwater dissolved organic matter at the southeast coast of China using absorption spectroscopy and fluorescence EEM-PARAFAC	<i>Estuarine, Coastal and Shelf Science, 217, 45-55</i>	2019	2.333	22.4%
139	Wang, Sai; Tang, Jin-Peng; Su, Lin-Hui; Fan, Jing-Jing; Chang, Hao-Yen; Wang, Tuan-Tuan; Wang, Lin; Lin, Hsing-Juh ; Yang, Yang	Fish feeding groups, food selectivity, and diet shifts associated with environmental factors and prey availability along a large subtropical river, China	<i>Aquatic Sciences</i>	2019	2.402	22.7%
140	Chiu, Chang-Chieh; Chateau, Pierre-Alexandre; Lin, Hsing-Juh ; Chang, Yang-Chi	Modeling the impacts of coastal land use changes on regional carbon balance in the Chiku coastal zone, Taiwan	<i>Land Use Policy</i>	2019	3.682	22.8%
141	Wu, Y.-K.* ; Rawal, V. H.*	Rapid construction of tetrahydropyridine scaffolds via formal imino Diels-Alder reactions of Schiff bases and Nazarov reagents	<i>Organic & Biomolecular Chemistry, 17, 8827-8831</i>	2019	3.412	22.8%
142	Wu, Tsung-Meng ; Huang, Jian-Zhi; Oung, Hui-Min; Hsu, Yi-Ting; Tsai, Yu-Chang; Hong, Chwan-Yang	H2O2-Based Method for Rapid Detection of Transgene-Free Rice Plants from Segregating CRISPR/Cas9 Genome-Edited Progenies	<i>INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES</i>	2019	4.556	23.2%
143	Lin, Y.S.*, H.K. Lui , J. Lee, C.T.A. Chen , G.S. Burr, W.C. Chou, F.W. Kuo	Fates of vent CO ₂ and its impact on carbonate chemistry in the shallow-water hydrothermal field offshore Kueishantao Islet, NE Taiwan	<i>Marine Chemistry, 210, 1-12</i>	2019	2.933	23.9%
144	Lu, Y.X., X.L. Gao* and C.T.A. Chen	Separation and determination of colloidal trace metals in seawater by cross-flow ultrafiltration, liquid-liquid extraction and ICP-MS	<i>Marine Chemistry, 215, 103685</i>	2019	2.933	23.9%

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145	Imachi, H., E. Tasumi, Y. Takaki, T. Hoshino, F. Schubotz, S. Gan, T.H. Tu , Y. Saito, Y. Yamanaka, A. Ijiri, Y. Matsui, M. Miyazaki, Y. Morono, K. Takai, K.U. Hinrichs, and F. Inagaki	Cultivable microbial community in 2-km-deep, 20-million-year-old seafloor coalbeds through ~1000 days anaerobic bioreactor cultivation	<i>Scientific Reports</i>	2019	3.998	23.9%
146	Shih, Y.Y., H.H. Lin, D.W. Li, H.H. Hsieh, C.C. Hung* and C.T.A. Chen	Elevated carbon flux in deep waters of the South China Sea	<i>Scientific Reports, 9, Article number: 1496</i>	2019	3.998	23.9%
147	Wang J-T* , Wang Y-T, Keshavmurthy S, Meng P-J, Chen CA*	The coral <i>Platygyra verweyi</i> exhibits local adaptation to long-term thermal stress through host-specific physiological and enzymatic response	<i>Sci Rep 9: 13492</i>	2019	3.998	23.9%
148	Huang, T.H., C.T.A. Chen* , J. Lee, C.R. Wu, Y.L. Wang, Y. Bai, X.Q. He, S.L. Wang, S. Kandasamy, J.Y. Lou, B.J. Tsuang, H.W. Chen, R.S. Tseng and Y.J. Yang	East China Sea increasingly gains limiting nutrient P from South China Sea	<i>Scientific Reports, 9, Article number: 5648</i>	2019	3.998	23.9%
149	Cheng-Chien Liu* , Yi-Hsin Chen, Mei-Heng Margaret Wu, Chiang Wei, Ming-Hsun Ko	Assessment of forest restoration with multitemporal remote sensing imagery	<i>Scientific Reports, 9:7279</i>	2019	3.998	23.9%
150	Wu, Tsung-Meng ; Nan, Fan-Hua; Chen, Kuan-Chu; Wu, Yu-Sheng	<i>Sarcodia suieae</i> acetyl-xylogalactan regulate RAW 264.7 macrophage NF-kappa B activation and IL-1 beta cytokine production in macrophage polarization	<i>Scientific Reports</i>	2019	3.998	23.9%
151	Fu Ou-Yang, I-Hsuan Tsai, Jen-Yang Tang, Ching-Yu Yen, Yuan-Bin Cheng , Ammad Ahmad Farooqi, Shu-Rong Chen, Szu-Yin Yu, Jun-Kai Kao* and Hsueh-Wei Chang*	Antiproliferation for Breast Cancer Cells by Ethyl Acetate Extract of <i>Nepenthes thorellii</i> x (<i>ventricosa</i> x <i>maxima</i>)	<i>International Journal of Molecular Sciences, 2019, 20, 3238</i>	2019	4.556	24.9%
152	Cheng-Chien Liu* , Tsai-Wen Hsu, Hui-Lin Wen, Kung-Hwa Wang	Mapping pure mangrove patches in small corridors and sandbanks using airborne hyperspectral imagery	<i>Remote Sensing, 11(5), 592</i>	2019	4.509	30.0%
153	Cheng-Chien Liu* , Yu-Cheng Zhang, Pei-Yin Chen, Chien-Chih Lai, Yi-Hsin Chen, Ji-Hong Cheng, Ming-Hsun Ko	Clouds Classification from Sentinel-2 Imagery with Deep Residual Learning and Semantic Image Segmentation	<i>Remote Sensing, 11(2), 119</i>	2019	4.509	30.0%
154	Jen-Yang Tang, Tzu-Jung Yu, Li-Ching Lin, Sheng-Yao Peng, Chun-Lin Wang, Fu Ou-Yang, Yuan-Bin Cheng* , Hsueh-Wei Chang*	Ethyl acetate extracts of <i>Nepenthes ventricosa</i> x <i>sibuyanensis</i> leaves cause growth inhibition against oral cancer cells via oxidative stress	<i>OncoTargets and Therapy, 12, 5227–5239</i>	2019	3.337	35.9%
155	Yu, M.Z., X.-G. Chen*, D. Garbe-Schönberg, Y. Ye and , C.T.A. Chen	Volatile chalcophile elements in native sulfur from a submarine hydrothermal system at Kueishantao, offshore NE Taiwan	<i>Minerals, 9 (4), 245</i>	2019	2.380	36.7%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
156	Tsai, Chin-Yen; Wang, Kuang-Teng; Wu, Yu-Sheng; Yeh, Shinn-Ping; Wu, Tsung-Meng*	Secretory expression and characterization of xylanase isolated from <i>Bacillus subtilis</i> E20 increase the utilization of plant ingredients in tilapia feed	<i>AQUACULTURE RESEARCH</i>	2019	1.748	37.7%
157	Jen-Yang Tang, Li-Jie Li, Fu Ou-Yang, Chun-Lin Wang, Chih-Wen Shu, Kuang- Han Wu, Hui-Ru Wang, Chia-Hung Yen, Yuan-Bin Cheng* , Hsueh-Wei Chang*	Ethyl Acetate Extract of <i>Nepenthes ventricosa</i> x <i>maxima</i> Exerts Preferential Killing to Oral Cancer Cells	<i>DNA and Cell Biology</i> , 38, 8, 763-772	2019	3.314	40.4%
158	Hsiao-Wei Chung and Cheng-Chien Liu*	Spatiotemporal variation of cold eddies in the upwelling zone off Northeastern Taiwan revealed by the geostationary satellite imagery of ocean color and sea surface temperature	<i>Sustainability</i> , 11(24), 6979	2019	2.576	43.1%
159	Keshavmurthy S, Kuo C-Y, Huang Y-Y, Carballo-Bolaños R, Meng P-J*, Wang J-T* , Chen CA*	Coral reef resilience in Taiwan: Lessons from long-term ecological research on the coral reefs of Kenting National Park (Taiwan)	<i>J Mar Sci Eng</i> 7: 388	2019	2.033	47.8%
160	Chang, Y.-J., J. Hsu, J.-C. Shiao, S.-K. Chang	Evaluation of the effects of otolith sampling strategies and ageing error on estimation of the age composition and growth curve for Pacific bluefin tuna <i>Thunnus orientalis</i>	<i>Marine and Freshwater Research</i> , 70:1838-1849	2019	1.488	48.6%
161	Lin M.-F. , Takahashi S., Forêt S., Davy S., Miller	Transcriptomic analyses highlight the likely metabolic consequences of colonization of a cnidarian by native or non-native <i>Symbiodinium</i> species	<i>Biology Open</i> 8: bio038281	2019	2.029	49.5%
162	Meng-Ying Kuo, Dun- Ru Kang, Chih-Hsien Chang, Chia-Hsien Chao, Chau-Chang Wang, Hsin-Hung Chen, Chih-Chieh Su, Hsuan-Wien Chen, Mei-Chin Lai, Saulwood Lin, and Li-Lian Lin*	New records of three deep-sea <i>Bathymodiolus</i> mussels (Bivalvia: Mytilida: Mytilidae) from hydrothermal vent and cold seeps in Taiwan	<i>Journal of Marine Science and Technology</i> , 27:352-358	2019	1.446	50.0%
163	35. Chi-Ying Li, I-Wen Lo, Yen-Ping Hsueh, Yu-Ming Chung, Shih-Wei Wang, Michal Korinek, Yi- Hong Tsai, Yuan-Bin Cheng , Tsong-Long Hwang, Clay C. C. Wang, Fang-Rong Chang*, Yang- Chang Wu*	Epigenetic Manipulation Induces the Production of Coumarin-Type Secondary Metabolite from <i>Arthrobotrys foliicola</i>	<i>Israel Journal of Chemistry</i> , 2019, 59, 432-438	2019	2.320	52.0%
164	Fang-Rong Chang, Shih-Wei Wang, Chi-Ying Li, Yen-Yi Lu, Shang-Yin Vanson Liu, Ching- Yeu Chen, Yang-Chang Wu, Yuan-Bin Cheng*	Natural Products from <i>Diaporthe</i> arecae with Anti-Angiogenic Activity	<i>Israel Journal of Chemistry</i> , 2019, 59, 439-445	2019	2.320	52.0%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
165	Chang*, S.-K. , T.-L. Yuan, S.-P. Wang, Y.-J. Chang and G. DiNardo*	Deriving statistically reliable abundance index from landing data: an application to Taiwanese coastal dolphinfish fishery with multi-species feature	<i>Transactions of the American Fisheries Society</i> , 148:106-122	2019	1.444	52.8%
166	Cheng-Chien Liu* , Ming-Hsun Ko, Huei-Lin Wen, Kuei-Lin Fu, Shu-Ting Chang	Instability index derived from a landslide inventory for watershed stability assessment and mapping	<i>ISPRS International Journal of Geo-Information</i> , 8(3), 145	2019	2.239	62.0%
167	Chao, Ning Labbish, Chih-Wei Chang, Meng-Hsien Chen , Chang-Chang Guo, Bai-An Lin, You-Yu Liou, Kang-Ning Shen & Min Liu	<i>Johnius taiwanensis</i> , a new species of Sciaenidae from the Taiwan Strait, with a key to <i>Johnius</i> species from Chinese waters	<i>Zootaxa</i> , 4651(2), 259-270	2019	0.955	62.1%
168	Lee, Chen-Lu; Wen, Colin K. C.; Huang, Yen-Hsun; Chung, Chia-Yun; Lin, Hsing-Juh*	Ontogenetic Habitat Usage of Juvenile Carnivorous Fish Among Seagrass-Coral Mosaic Habitats	<i>Diversity-Basel</i>	2019	1.402	70.4%
169	Yu-Shih Lin, Huei-Ting Lin, Bo-Shian Wang, Shein-Fu Wu, Pei-Ling Wang, Chih-Lin Wei, Hsiao-Fen Lee, Tefang Lan, Wei-Jen Huang , Song-Chuen Chen, Yunshuen Wang, Chih-Chieh Su	Early diagenesis and carbon remineralization in young rift sediment of the Southern Okinawa Trough	<i>Terrestrial, Atmospheric & Oceanic Sciences</i> , 30(5), 633-647	2019	0.703	89.6%
170	Chen, C.T.A.* , T.H. Huang, H.K. Lui and J. Zhang	Unheralded Submarine Groundwater Discharge	<i>Oceanography & Fisheries Open Access Journal</i> , 10 (5), 555797	2019	0.694	
171	Lin, Hsing-Juh* ; Lee, Chen-Lu; Peng, Shang-En; Hung, Meng-Chi; Liu, Pi-Jen; Mayfield, Anderson B.	The effects of El Nino-Southern Oscillation events on intertidal seagrass beds over a long-term timescale	<i>Global Change Biology</i>	2018	8.880	1.7%
172	Li, Shi-Bo; Chen, Po-Hung; Huang, Jih-Sheng; Hsueh, Mei-Li; Hsieh, Li-Yung; Lee, Chen-Lu; Lin, Hsing-Juh*	Factors regulating carbon sinks in mangrove ecosystems	<i>Global Change Biology</i>	2018	8.880	1.7%
173	Lohrenz, S. E., Cai, W.-J., Chakraborty, S., Huang, W.-J. , Guo, X., He, R., ... Tian, H.	Satellite estimation of coastal <i>p</i> CO ₂ and air-sea flux of carbon dioxide in the northern Gulf of Mexico	<i>Remote Sensing of Environment</i> , 207, 71-83	2018	8.218	2.8%
174	Sumino, S.; Uno, M.; Huang, H.-J.; Wu, Y.-K.; Ryu, I.*	Palladium/Light Induced Radical Alkenylation and Allylation of Alkyl Iodides Using Alkenyl and Allylic Sulfones	<i>Organic Letters</i> , 20, 1078-1081	2018	6.555	3.5%
175	C.-Y. Chen, Y.-T. Chen, K.-S. Chen, C.-C. Hsu, L.-L. Liu , H.-S. Chen, M.-H. Chen	Arsenic and five metal concentrations in the muscle tissue of bigeye tuna (<i>Thunnus obesus</i>) in the Atlantic and Indian Oceans	<i>Marine Pollution Bulletin</i> 129:186–193.	2018	3.782	4.6%

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176	Fang-Rong Chang, Pei-Shian Li, Rosa Huang Liu, Hao-Chun Hu, Tsong-Long Hwang, Jin-Ching Lee, Shu-Li Chen, Yang-Chang Wu, Yuan-Bin Cheng*	Bioactive Phenolic Components from the Twigs of <i>Atalantia buxifolia</i>	<i>Journal of Natural Products</i> , 81, 1534-1539	2018	4.257	7.0%
177	Li, Wen-Ta, Hui-Wen Chang, Meng-Hsien Chen , Hue-Ying Chiou, Bang-Yeh Liou, Victor Fei Pang, Wei-Cheng Yang & Chian-Ren Jeng	Investigation of silver (Ag) deposition in tissues from stranded cetaceans by autometallography (AMG)	<i>Environmental Pollution</i> , 235, 534–545	2018	5.714	10.0%
178	Liu, K., X.L. Gao*, L. Li, C.T.A. Chen , Q.U. Xing	Determination of ultra-trace Pt, Pd and Rh in seawater using an off-line pre-concentration method and inductively coupled plasma mass spectrometry	<i>Chemosphere</i> , 212, 429-437	2018	5.108	12.7%
179	Leu, Ming-Yih; Tai, Ko-Yuan; Meng, Pei-Jie; Tang, Cheng-Hao; Wang, Pin-Han; Tew, Kwee Siong	Embryonic, larval and juvenile development of the longfin batfish, <i>Platax teira</i> (Forsskal 1775) under controlled conditions with special regard to mitigate cannibalism for larviculture	<i>Aquaculture</i>	2018	3.022	13.0%
180	Cui, Q., X.Q. He*, Q. Liu, Y. Bai, C.T.A. Chen , X.Y. Chen and D.L. Pan	Estimation of lateral DOC transport in marginal sea based on remote sensing and numerical simulation	<i>Journal of Geophysical Research: Oceans</i> , 123 (8), 5525– 5542	2018	3.235	13.6%
181	Liu, Q., S. Kandasamy*, B. Lin, H. Wang and C.T.A. Chen	Biogeochemical characteristics of suspended particulate matter in deep chlorophyll maximum layers in the southern East China Sea	<i>Biogeosciences</i> , 15 (7), 2091-2109	2018	3.951	14.8%
182	Kandasamy, S.*, B.Z. Lin, J.Y. Lou, S. J. Kao, C.T.A. Chen and L.M. Mayer	Estimation of marine versus terrigenous organic carbon in sediments off southwestern Taiwan using the bromine to total organic carbon ratio as a proxy	<i>Journal of Geophysical Research: Biogeosciences</i> , 123 (10), 3387-3402	2018	3.621	18.4%
183	Yuan-Bin Cheng+ , Fan-Jin Liu+, Chih-Hsin Wang, Tsong-Long Hwang, Yung- Fong Tsai, Chia-Hung Yen, Hui-Chun Wang, Yen-Hsueh Tseng, Ching-Te Chien, Yi-Ming Arthur Chen, Fang-Rong Chang*, Yang-Chang Wu*	Bioactive Triterpenoids from the Leaves and Twigs of <i>Lithocarpus litseifolius</i> and <i>L. corneus</i>	<i>Planta Medica</i> , 2018, 84: 49–58	2018	2.746	18.5%
184	Fukuyama, T.; Fujita, Y.; Miyoshi, H.; Ryu, I.*; Kao, S.-C.; Wu, Y.-K.*	Electron transfer-induced reduction of organic halides with amines	<i>Chemical Communications</i> , 54, 5582-5585	2018	6.164	18.6%
185	Chou*, W.-C., H.-C. Chu, Y.-H. Chen, R.-W. Syu, C.-C. Hung , K. Soong	Short-term variability of carbon chemistry in two contrasting seagrass meadows at Dongsha Island: Implications for pH buffering and CO ₂ sequestration	<i>Estuarine, Coastal and Shelf Science</i> , 210, 36-44	2018	2.611	20.4%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
186	Keyse, J., E.A. Trembl, T. Huelsken, P.H. Barber, T. DeBoer, M. Kochzius, A. Nuryanto, J.P.A. Gardner, L.-L. Liu , S. Penny, C. Riginos	Historical divergences associated with intermittent land bridges overshadow isolation by larval dispersal in codistributed species of <i>Tridacna</i> giant clams	<i>Journal of Biogeography</i> , 45:848-858	2018	3.884	20.6%
187	Hung, J.J.*, H.Y. Yeh, S.H. Peng and C.T.A. Chen	Influence of submarine hydrothermalism on sulfur and metal accumulation in surface sediments in the Kueishantao venting field off northeastern Taiwan	<i>Marine Chemistry</i> , 198, 88-96	2018	2.713	21.2%
188	Chun-Kuang Lin, Chin-Kai Tseng, Chih-Chuang Liaw , Chiung-Yao Huang, Chih-Ku Wei, Jyh-Horng Sheu, Jin-Ching Lee	Lobohedleolide suppresses hepatitis C virus replication via JNK/c-Jun-C/EBP-mediated downregulation of cyclooxygenase-2 expression	<i>Sci. Rep.</i> 2018, 8, 8676	2018	4.011	21.7%
189	Li, Wen-Ta, Hui-Wen Chang, Wei-Cheng Yang, Chieh Lo, Lei-Ya Wang, Victor Fei Pang, Meng-Hsien Chen & Chian-Ren Jeng	Immunotoxicity of silver nanoparticles (AgNPs) on	<i>Scientific Reports</i> , 5593	2018	4.011	21.7%
190	Li, D., W.-C. Chou, Y.-Y. Shih, G.-Y. Chen, Y. Chang, C. H. Chow, T.-Y. Lin, and C.-C. Hung*	Elevated particulate organic carbon export flux induced by internal waves in the oligotrophic northern South China Sea	<i>Scientific Reports</i> , 8:2042	2018	4.011	21.7%
191	Wang, S.L., C.T.A. Chen* , T.H. Huang , H.C. Tseng, H.K. Lui , T.R. Peng, S. Kandasamy, J. Zhang, L.Y. Yang, X.L. Gao, J.Y. Lou, F.W. Kuo, X.G. Chen, Y. Ye and Y.J. Lin	Submarine groundwater discharge helps making nearshore waters heterotrophic	<i>Scientific Reports</i> , 8, Article number: 11650	2018	4.011	21.7%
192	Chen, X.G.*, S.S. Lyu, D. Garbe-Schönberg, M. Lebrato, X.H. Li, H.Y. Zhang, P.P. Zhang, C.T.A. Chen , Y. Ye	Heavy metals from Kueishantao shallow-sea hydrothermal vents, offshore northeast Taiwan	<i>Journal of Marine Systems</i> , 180, 211-219	2018	2.539	22.2%
193	Zeng, Z.G.*, Y. Ma, X.Y. Wang, C.T.A. Chen , X.B. Yin, S.P. Zhang, J.L. Zhang, W. Jiang	Elemental compositions of crab and snail shells from the Kueishantao hydrothermal field in the southwestern Okinawa Trough	<i>Journal of Marine Systems</i> , 180, 90-101	2018	2.539	22.2%
194	Chun-Hsu Pan, Pei-Chuan Li, Yi-Chung Chien, Wan-Ting Yeh, Chih-Chuang Liaw , Ming-Jyh Sheu, Chieh-Hsi Wu	Suppressive activities and mechanisms of ugonin J on vascular smooth muscle cells and balloon angioplasty-induced neointimal hyperplasia	<i>Phytother. Res.</i> 2018, 32, 312-320	2018	3.766	22.8%
195	Cheng-Chien Liu* , Ming-Chang Shieh, Ming-Syun Ke, Kung-Hwa Wang	Flood Prevention and Emergency Response System Powered by Google Earth Engine	<i>Remote Sensing</i> , 10(8):1283	2018	4.118	23.3%
196	Li, Y.F., K. Tang, L.B. Zhang, Z.H. Zhao, X.B. Xie, C.T.A. Chen , D.L. Wang, N.Z. Jiao and Y. Zhang*	Coupled carbon, sulfur, and nitrogen cycles mediated by microorganisms in the water column of a shallow-water hydrothermal ecosystem	<i>Frontiers in Microbiology</i> , 9: 2718	2018	4.259	24.1%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
197	Tang, K.*, Y. Zhang*, D. Lin, Y. Han, C.T.A. Chen , D. Wang, Y.S. Lin, J. Sun, Q. Zheng and N.Z. Jiao*	Cultivation-independent and cultivation-dependent analysis of microbes in the shallow-sea hydrothermal system off Kueishantao Island, Taiwan: Unmasking heterotrophic bacterial diversity and functional capacity	<i>Frontiers in Microbiology</i> , 9:279	2018	4.259	24.1%
198	Szu-Yin Yu, Shin-Wei Wang, Tsong-Long Hwang, Bai-Luh Wei, Chien-Jung Su, Fang-Rong Chang*, Yuan-Bin Cheng*	Components from the Leaves and Twigs of Mangrove <i>Lumnitzera racemosa</i> with Anti-Angiogenic and Anti-Inflammatory Effects	<i>Marine Drugs</i> , 16, 404	2018	3.772	24.6%
199	Shu-Rong Chen, Shih-Wei Wang, Chien-Jung Su, Hao-Chun Hu, Yu-Liang Yang, Chi-Ting Hsieh, Chia-Chi Peng, Fang-Rong Chang*, Yuan-Bin Cheng*	Anti-Lymphangiogenesis Components from Zoanthid <i>Palythoa tuberculosa</i>	<i>Marine Drugs</i> , 16, 47	2018	3.772	24.6%
200	Thi To Ngan Nguyen*, Cheng-Chien Liu	A new approach using AHP to generate landslide susceptibility maps in the Chen-Yu-Lan watershed, Taiwan	<i>Sensors</i> , 19(3), 505	2018	3.031	24.6%
201	Chon-Kit Chou, Wangta Liu, Yu-Jie Hong, Hans-Uwe Dahms, Chen-Hao Chiu, Wen-Tsan Chang, Ching-Ming Chien, Chia-Hung Yen, Yuan-Bin Cheng* , Chien-Chih Chiu*	Ethyl Acetate Extract of <i>Scindapsus</i> cf. <i>hederaceus</i> Exerts the Inhibitory Bioactivity on Human Non-Small Cell Lung Cancer Cells through Modulating ER Stress	<i>International Journal of Molecular Sciences</i> , 2018, 19, 1832	2018	4.183	26.1%
202	Lin, Y.T. +, T.H. Tu +, C.L. Wei, D. Rumble, L.H. Lin, P.L. Wang* (+ Equal contribution)	Steep redox gradient and biogeochemical cycling driven by deeply sourced fluids and gases in a terrestrial mud volcano	<i>FEMS Microbiology Ecology</i> Vol. 94, p. 3796	2018	4.098	27.1%
203	Rumble, D., J.L. Ash, P. L. Wang, L.H. Lin, Y.T. Lin, T.H. Tu	Resolved measurements of ¹³ CDH ₃ and ¹² CD ₂ H ₂ from a mud volcano in Taiwan	<i>Journal of Asian Earth Sciences</i> Vol. 167, p. 218	2018	2.762	30.6%
204	Chang, N.N., L.H. Lin, T.H. Tu , M.S. Jeng, Y. Chikaraishi, P.L. Wang*	Trophic structure and energy flow in a shallow-water hydrothermal vent: insights from a stable isotope approach	<i>PLoS One</i> Vol. 13 (10), e0204753	2018	2.776	34.8%
205	Chen, X.G., S.S. Lyu, P.P. Zhang, M.Z. Yu, C.T.A. Chen , Y.J. Chen, X.H. Li, A.M. Jin, H.Y. Zhang, W. Duan*, Y. Ye	Gas discharges from the Kueishantao hydrothermal vents, offshore northeast Taiwan: Implications for drastic variations of magmatic/hydrothermal activities	<i>Journal of Volcanology and Geothermal Research</i> , 353, 1-10	2018	2.617	35.2%
206	Loh, P.S.* , L.X. Cheng, H.W. Yuan, L. Yang, Z.H. Lou, A.M. Jin, X.G. Chen, Y.S. Lin, C.T.A. Chen	Impacts of human activity and extreme weather events on sedimentary organic matter in the Andong salt marsh, Hangzhou Bay, China	<i>Continental Shelf Research</i> , 154, 55-64	2018	2.134	37.9%
207	Zhou, F.X., X.L. Gao*, J.M. Song, C.T.A. Chen , H.M. Yuan, Q.G. Xing	Absorption properties of chromophoric dissolved organic matter (CDOM) in the East China Sea and the waters off eastern Taiwan	<i>Continental Shelf Research</i> , 159, 12-23	2018	2.134	37.9%

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208	Wei-Jen Huang* , Kai-Jung Kao, Li-Lian Liu , Chi-Wen Liao and Yin-Lung Han	An assessment of direct dissolved inorganic carbon injection to the coastal region: A model result	<i>Sustainability, 10, 1174</i>	2018	2.592	37.9%
209	YC Hsu, CP Lee, YL Wang, CR Wu, HK Lui	Leading El-Niño SST Oscillations around the Southern South American Continent	<i>Sustainability 10 (6), 1867 (SCI, IF: 1.79)</i>	2018	2.592	37.9%
210	Li, T., Y. Bai*, X.Q. He*, X.Y. Chen, C.T.A. Chen , B.Y. Tao, D.L. Pan and X. Zhang	The relationship between POC export efficiency and primary production: opposite on the shelf and basin of the northern South China Sea	<i>Sustainability, 10 (10), 3634</i>	2018	2.592	37.9%
211	Bai, Y., X.Q. He*, S.J. Yu and C.T.A. Chen	Changes in the ecological environment of the marginal seas along the Eurasian continent from 2003 to 2014	<i>Sustainability, 10 (3), 635</i>	2018	2.592	37.9%
212	Pan, Y.W., L. You, Y.F. Li, W. Fan*, C.T.A. Chen , B.J. Wang and Y. Chen	Achieving highly efficient atmospheric CO ₂ uptake by artificial upwelling	<i>Sustainability, 10 (3), 664</i>	2018	2.592	37.9%
213	Zheng, H.*, Z.S. Yan, J.F. Chen, H.Y. Jin, C.T.A. Chen , M.K. Liu, Z.P. Yan, Z.Q. Ji	Seasonal variations of dissolved organic matter in the East China Sea using EEM-PARAFAC and implications for carbon and nutrient cycling	<i>Sustainability, 10 (5), 1444</i>	2018	2.592	37.9%
214	Ferrera, C.M.* , G.S. Jacinto, C.T.A. Chen and H.K. Lui	Organic carbon concentrations in high- and low-productivity areas of the Sulu Sea	<i>Sustainability, 10 (6), 1867</i>	2018	2.592	37.9%
215	Huang, T.H. , Z.X. Lun, Z., C.R. Wu and Chen, C.T.A.*	Interannual carbon and nutrient fluxes in southeastern Taiwan Strait	<i>Sustainability, 10 (2), 372</i>	2018	2.592	37.9%
216	Lui, H.K.* , K. Y. Chen, C.T.A. Chen , B. S. Wang, H.L. Lin, S.H. Ho, C.J. Tseng, Y. Yang and J.W. Chan	Physical forcing-driven productivity and sediment flux to the deep basin of northern South China Sea: A decadal time series study	<i>Sustainability, 10 (4), 971</i>	2018	2.592	37.9%
217	Wang, Sai; Wang, Lin; Chang, Hao-Yen; Li, Feng; Tang, Jin-Peng; Zhou, Xing-An; Li, Xing; Tian, Shi-Mi; Lin, Hsing-Juh* ; Yang, Yang	Longitudinal variation in energy flow networks along a large subtropical river, China	<i>Ecological Modelling</i>	2018	2.634	38.2%
218	Kang, D.-R., K.S. Tan*, L.-L. Liu*	Egg collar morphology and identity of nine species of Naticidae (Gastropoda) in Taiwan, with an assessment of their phylogenetic relationships	<i>Journal of Molluscan Studies, 84:354-378</i>	2018	1.345	38.2%
219	Zeng, Z.G.* , X.Y. Wang, C.T.A. Chen , and H.Y. Qi	Understanding the compositional variability of the major components of hydrothermal plumes in the Okinawa Trough	<i>Geofluids, vol. 2018, Article ID 1536352, 20 pages</i>	2018	1.437	38.3%

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220	Li, Wen-Ta Li, Lei-Ya Wang, Hui-Wen Chang, Wei-Cheng Yang, Chieh Lo, Victor Fei Pang, Meng-Hsien Chen & Chian-Ren Jeng	Th2 cytokine bias induced by silver nanoparticles in peripheral blood mononuclear cells of common bottlenose dolphins (<i>Tursiops truncatus</i>)	<i>PeerJ</i> , 6:e5432	2018	2.353	39.1%
221	Ho, Chuan-Wen; Huang, Jih-Sheng; Lin, Hsing-Juh*	Effects of tree thinning on carbon sequestration in mangroves	<i>Marine and Freshwater Research</i>	2018	1.859	42.9%
222	Tseng, Y.-L.; Liang, M.-C.; Chen, I.-C.; Wu, Y.-K.*	A Combined Tamaru Allylation/Olefin Cross-Metathesis Approach for the Total Syntheses of (±)-Paniculidine B, (±)-Paniculidine C, and 2-Methylcarbazole	<i>Synlett</i> , 29, 609-612.	2018	2.418	43.9%
223	Wang, Sai; Wang, Tuan-Tuan; Tang, Jin-Peng; Wang, Lin; Yang, Yang; Lin, Hsing-Juh* ; Chang, Hao-Yen; Zhou, Xing-An; Li, Xing; Wang, Ming	Longitudinal variation in fish prey utilization, trophic guilds, and indicator species along a large subtropical river, China	<i>Ecology and Evolution</i>	2018	2.415	45.5%
224	Mei Lin Neo, Li-Lian Liu , Danwei Huang, Keryea Soong	Thriving populations with low genetic diversity in giant clam species, <i>Tridacna maxima</i> and <i>Tridacna noae</i> , at Dongsha Atoll, South China Sea	<i>Regional Studies in Marine Science</i> 24:278–287	2018	1.462	52.8%
225	Kao, K.-W., S. Keshavmurthy, C.-H. Tsao, J-T Wang , CA Chen	Repeated and prolonged temperature anomalies negate Symbiodiniaceae genera shuffling in the coral <i>Platygyra verweyi</i> (Scleractinia; Merulinidae)	<i>Zool. Stud.</i> 57, 55	2018	0.726	53.3%
226	Li, Wen-Ta, Bang-Yeh Liou, Wei-Cheng Yang, Meng-Hsien Chen , Hui-Wen Chang, Hue-Ying Chiou, Victor Fei Pang & Chian-Ren Jeng	Use of Autometallography to Localize and Semi-Quantify Silver in Cetacean Tissues	<i>Journal of Visualized Experiment</i> , (140), e58232	2018	1.108	59.4%
227	Liu, Chun-Hung; Wu, Kuanchih; Chu, Tah-Wei; Wu, Tsung-Meng*	Dietary supplementation of probiotic, <i>Bacillus subtilis</i> E20, enhances the growth performance and disease resistance against <i>Vibrio alginolyticus</i> in parrot fish (<i>Oplegnathus fasciatus</i>)	<i>AQUACULTURE INTERNATIONAL</i>	2018	1.455	61.5%
228	Cheng-Chien Liu* , Wei Luo, Hsiao-Wei Chung, Hsiao-Yuan Yin, Ke-Wei Yan	Influences of the Shadow Inventory on a Landslide Susceptibility Model	<i>ISPRS International Journal of Geo-Information</i> , 2018, 7(9), 374	2018	1.840	62.0%
229	Chen, C.T.A.* , J. Zhang, T.R. Peng, S. Kandasamy, D.L. Wang and Y.J. Lin	Submarine groundwater discharge around Taiwan	<i>Acta Oceanologica Sinica</i> , 37 (6), 18-22	2018	0.699	81.8%

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230	Pan, C.Q., Y.T. Shi, B.N. Auckloo, C.T.A. Chen , X.G. Chen, X.D. Wu, Bin Wu*	Four verrucosidin derivatives isolated from the hydrothermal vent sulfur-derived fungus <i>Penicillium</i> sp. Y-50-10	<i>Chemistry of Natural Compounds</i> , 54 (2), 253–256	2018	0.567	94.7%
231	Chen, C.T.A.* , H.K. Lui* , C.H. Hsieh, T. Yanagi, N. Kosugi, M. Ishii and G.C. Gong	Deep oceans may acidify faster than anticipated due to global warming	<i>Nature Climate Change</i> , 7, 890–894	2017	19.181	0.8%
232	Wei Luo*, Cheng-Chien Liu	Innovative landslide susceptibility mapping supported by geomorphon and geographical detector methods	<i>Landslides</i> , 15, 465–474	2017	6.153	2.8%
233	Yang, L.Y., W.E. Zhuang, C.T.A. Chen* , B.J. Wang, F.W. Kuo	Unveiling the transformation and bioavailability of dissolved organic matter in contrasting hydrothermal vents using fluorescence EEM-PARAFAC	<i>Water Research</i> , 111, 195-203	2017	7.051	4.0%
234	Wei-Jun Cai*, Wei-Jen Huang , George W. Luther III, Denis Pierrot, Ming Li, Jeremy Testa, Ming Xue, Andrew Joesoef, Roger Mann, Jean Brodeur, Yuan-Yuan Xu, Baoshen Chen, Najid Hussain, George G. Waldbusser, Jeffrey Cornwell, W. Michael Kemp	Redox reactions and weak buffering capacity lead to acidification in the Chesapeake Bay	<i>Nature Communications</i> , 8(1), 369	2017	12.353	4.7%
235	Hou, W.-Y.; Wu, Y.-K.*	Palladium-Catalyzed α -Arylation of Cyclic Vinylogous Esters for the Synthesis of γ -Arylcyclohexenones and Total Synthesis of Aromatic Podocarpene Diterpenoids	<i>Organic Letters</i> , 19, 1220-1223	2017	6.492	5.3%
236	Laurent, A., Fennel, K., Cai, W.-J., Huang, W.-J. , Barbero, L., & Wanninkhof, R.	Eutrophication-induced acidification of coastal waters in the northern Gulf of Mexico: Insights into origin and processes from a coupled physical-biogeochemical model	<i>Geophysical Research Letters</i>	2017	4.339	5.8%
237	Coelho, F. J. R. C., D. F. R. Cleary, N. C. M. Gomes, A. R. M. Póltonia, Y. M. Huang, L.-L. Liu , N. J. de Voogd	Sponge prokaryote communities in Taiwanese coral reef and shallow hydrothermal vent ecosystems	<i>Microbial Ecology</i>	2017	3.614	6.6%
238	Hu, X., Li, Q., Huang, W.-J., Chen, B., Cai, W. J., Rabalais, N. N., & Eugene Turner, R.	Effects of eutrophication and benthic respiration on water column carbonate chemistry in a traditional hypoxic zone in the Northern Gulf of Mexico	<i>Marine Chemistry</i> , 194, 33–42	2017	3.337	7.8%
239	Ferrera, C.M.* , G.S. Jacinto, C.T.A. Chen , M.L. San Diego-McGlone, M.F.K.T. Datoc, M.C.T. Lagumen, M.I.S. Senal	Carbonate parameters in high and low productivity areas of the Sulu Sea, Philippines	<i>Marine Chemistry</i> , 195, 2-14	2017	3.337	7.8%

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240	Zheng, H., C.D. Xu, L.Y. Yang, J.F. Chen, C.T.A. Chen* , B.J. Wang	Diurnal variations of dissolved organic matter in the hydrothermal system of Green Island, Taiwan	<i>Marine Chemistry</i> , 195, 61-69	2017	3.337	7.8%
241	Chen, Meng-Hsien* , Ming-Feng Zhuang, Lien-Siang Chou, Jean-Yi Liu, Chieh-Chih Shih & Chiee-Young Chen	Tissue concentrations of four Taiwanese toothed cetaceans indicating the silver and cadmium pollution in the western Pacific Ocean	<i>Marine Pollution Bulletin</i> , 124(2), 993-1000	2017	3.241	8.5%
242	Meng, Pei-Jie; Tew, Kwee Siong ; Hsieh, Hung-Yen; Chen, Chung-Chi	Relationship between magnitude of phytoplankton blooms and rainfall in a hyper-eutrophic lagoon: A continuous monitoring approach	<i>Marine Pollution Bulletin</i>	2017	3.241	8.5%
243	Chen, Chung-Chi; Tew, Kwee Siong ; Ho, Ping-Ho; Ko, Fung-Chi; Hsieh, Hung-Yen; Meng, Pei-Jie	The impact of two oil spill events on the water quality along coastal area of Kenting National Park, southern Taiwan	<i>Marine Pollution Bulletin</i>	2017	3.241	8.5%
244	Vitthal D. Wagh, Michal Korinek, I-Wen Lo, Yu-Ming Hsu, Shu-Li Chen, Hsue- Yin Hsu, Tsong-Long Hwang, Yang-Chang Wu, Bing-Hung Chen, * Yuan-Bin Cheng* , Fang-Rong Chang*	Inflammation Modulatory Phorbol Esters from the Seeds of <i>Aquilaria malaccensis</i>	<i>Journal of Natural Products</i> , 80(5), 1421-1427	2017	3.885	9.4%
245	Chang, Hao-Yen; Chiu, Ming-Chih; Chuang, Yi-Li; Tzeng, Chyng-Shyan; Kuo, Mei-Hwa; Yeh, Chao-Hsien; Wang, Hsiao-Wen; Wu, Sheng-Hai; Kuan, Wen-Hui; Tsai, Shang-Te; Shao, Kwang-Tsao; Lin, Hsing-Juh*	Community responses to dam removal in a subtropical mountainous stream	<i>Aquatic Sciences</i>	2017	3.622	10.0%
246	Chun-Yu Chen, Chuan-Hui Yang, Yung-Fong Tsai, Chih-Chuang Liaw , Wen-Yi Chang, Tsong-Long Hwang	Ugonin U stimulates NLRP3 inflammasome activation and enhances inflammasome-mediated pathogen clearance	<i>Redox Biology</i> 2017, 11, 263-274	2017	7.126	10.6%
247	Tan, Ehui; Hsu, Ting-Chang; Huang, Xiaofen; Lin, Hsing-Juh ; Kao, Shuh-Ji	Nitrogen transformations and removal efficiency enhancement of a constructed wetland in subtropical Taiwan	<i>Science of the Total Environment</i>	2017	4.610	11.2%
248	Cahyanurani, Annisa' Bias; Chiu, Kuo-Hsun; Wu, Tsung-Meng*	Glutathione biosynthesis plays an important role against 4-tert-octylphenol-induced oxidative stress in <i>Ceratophyllum demersum</i>	<i>Chemosphere</i>	2017	4.427	14.5%
249	Jr-Chuan Huang*, John D. Milliman, Tsung-Yu Lee, Yi-Chin Chen, Jiin-Fa Lee, Cheng-Chien Liu , Jiun-Chuan Lin, Shuh-Ji Kao	Terrain attributes of earthquake- and rainstorm-induced landslides in orogenic mountain Belt, Taiwan	<i>Earth Surface Processes and Landforms</i> , 42(10), p1549-1559	2017	3.722	14.7%

No.	Author	Title	Source	Year	IF of the year	Ranking of the year
250	Huang, T.H., C.T.A. Chen* , H.C. Tseng, J.Y. Lou, S.L. Wang, L. Yang, S. Kandasamy, X.L. Gao, J.T. Wang, E. Aldrian, G.S. Jacinto, G.Z. Anshari, P. Sompongchaiyakul and B.J. Wang	Riverine carbon fluxes to the South China Sea	<i>Journal of Geophysical Research: Biogeosciences</i> , 122 (5), 1239-1259	2017	3.484	16.3%
251	Shi, Y.T., C.Q. Pan, K.W. Wang, X.G. Chen, X.D. Wu, C.T.A. Chen , Bin Wu*	Synthetic multispecies microbial communities reveals shifts in secondary metabolism and facilitates cryptic natural product discovery	<i>Environ Microbiol.</i> 19(9):3606-3618.	2017	4.974	16.7%
252	Yuan, H.W., J.F. Chen, Y. Ye, Z.H. Lou, A.M. Jin, X.G. Chen, Z.P. Jiang, Y.S. Lin, C.T.A. Chen , P.S. Loh*	Sources and distribution of sedimentary organic matter along the Andong salt marsh, Hangzhou Bay	<i>Journal of Marine Systems</i> , 174, 78-88	2017	2.506	17.9%
253	Michal Korinek, Yi-Hong Tsai, Mohamed El-Shazly, Kuei-Hung Lai, Anders Backlund, Shou-Fang Wu, Wan-Chun Lai, Tung-Ying Wu, Shu-Li Chen, Yang- Chang Wu, Yuan-Bin Cheng , Tsong-Long Hwang*, Bing-Hung Chen*, Fang-Rong Chang*	Anti-allergic Hydroxy Fatty Acids from <i>Typhonium blumei</i> Explored through ChemGPS-NP	<i>Frontiers in Pharmacology</i> , 8, 356	2017	3.831	18.4%
254	Chun-Kuang Lin, Chin-Kai Tseng, Yu-Hsuan Wu, Chih-Chuang Liaw , Chun-Yu Lin, Chung-Hao Huang, Yen-Hsu Chen*, Jin-Ching Lee*	Cyclooxygenase-2 facilitates dengue virus replication and serves as a potential target for developing antiviral agents	<i>Sci. Rep.</i> 2017, 7, 44701	2017	4.122	18.8%
255	Mo Da-Sang Hua, Rajendran Senthil Kumar, Lie-Fen Shyur, Yuan-Bin Cheng , Zhihong Tian, Ralf Oelmüller, Kai-Wun Yeh*	Metabolomic Compounds Identified in <i>Piriformospora indica</i> -Colonized Chinese Cabbage Roots Delineate Symbiotic Functions of the Interaction	<i>Scientific Reports</i> , 7, 9291	2017	4.122	18.8%
256	Erna Sulistyowati, Jong-Hau Hsu, Yuan-Bin Cheng , Fang-Rong Chang, Ying-Fu Chen*, Jwu-Lai Yeh*	Indonesian Herbal Medicine Prevents Hypertension-induced Left Ventricular Hypertrophy by Diminishing NADPH Oxidase-dependent Oxidative Stress	<i>Oncotarget</i> , 8, 86784-86798	2017	5.168	20.3%
257	Wang, Y.-S. and S.-K. Chang*	Is MSC eco-labelling workable in Taiwan? Responses from various sectors of the Taiwanese sergestid shrimp fishery	<i>Marine Policy</i> , 77: 164-170 (SSCI)	2017	2.109	20.9%
258	Chih-Hua Chao, Wen-Liang Li, Chiung-Yao Huang, Atallah F. Ahmed, Chang-Feng Dai, Yang-Chang Wu, Mei-Chin Lu, Chih-Chuang Liaw , Jyh-Hong Sheu*	Isoprenoids from the Soft Coral Sarcophyton glaucum	<i>Mar. Drugs</i> 2017, 15, 202	2017	3.503	21.7%

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259	Chiung-Yao Huang, Jui-Hsin Su, Chih-Chuang Liaw , Ping-Jyun Sung, Pei-Lun Chiang, Tsong-Long Hwang, Chang-Feng Dai, Jyh-Horng Sheu*	Bioactive Steroids with Methyl Ester Group in the	<i>Mar. Drugs</i> 2017, 15, 280	2017	3.503	21.7%
260	Liu, H.-C., You, C.-F., Zhou, H., Huang, K.-F., Chung, C.-H., Huang, W.-J. , & Tang, J.	Effect of calcite precipitation on stable strontium is	<i>Chemical Geology</i>	2017	3.570	22.4%
261	Tew, Kwee Siong* ; Jhange, Yu-Sin; Meng, Pei-Jie; Leu, Ming-Yih	Environmental factors influencing the proliferation of microscopic epiphytic algae on giant kelp under aquarium conditions	<i>Journal of Applied Phycology</i>	2017	2.401	22.6%
262	Yi-Jin Chen, Wen-Hung Wan, Wan-Yu Wu, Chia-Chi Hsu, Ling-Rung Wei, Sheng-Fan Wang, Ya-Wen Hsu, Chih-Chuang Liaw , Wan-Chi Tsai*	Novel histone deacetylase inhibitor AR-42 exhibits antitumor activity in pancreatic cancer cells by affecting multiple biochemical pathways	<i>PloS One</i> 2017, 12, e0183368	2017	2.766	23.4%
263	Chang*, S.-K. , H.-I Liu, H. Fukuda and M.N. Maunder	Data reconstruction can improve abundance index estimation: An example using Taiwanese longline data for Pacific bluefin tuna	<i>PLoS ONE</i> ,12(10): e0185784	2017	2.766	23.4%
264	Yung-Ting Chang, Chang-Yi Wu, Jen-Yang Tang, Chiung-Yao Huang, Chih-Chuang Liaw , Shih-Hsiung Wu, Jyh-Horng Sheu, Hsueh-Wei Chang*	Sinularin induces oxidative stress-mediated G2/M arrest and apoptosis in oral cancer cells	<i>Environmental Toxicology</i> 2017, 32, 2124-2132	2017	2.491	24.4%
265	Pan, C.Q., Y.T. Shi, B.N. Auckloo, S.S. ul Hassan, N. Akhter, K.W. Wang*, Y. Ye, C.T.A. Chen , X.Y. Tao, B. Wu*	Isolation and antibiotic screening of fungi from a hydrothermal vent site and characterization of secondary metabolites from a <i>Penicillium</i> isolate	<i>Marine Biotechnology</i> , 19 (5), 469-479	2017	2.328	24.5%
266	Lin M.-F. , Moya A., Ying H., Chen C.A., Cooke I., Ball E., Forêt S., Miller D.	Analyses of corallimorpharian transcriptomes provide new perspectives on the evolution of calcification in the Scleractinia (corals)	<i>Genome Biology and Evolution</i> 9: 150-160	2017	3.940	24.6%
267	Tu, T.H. , L.W. Wu, Y.S. Lin, H. Imachi, L.H. Lin, P.L. Wang*	Microbial community composition and functional capacity in a terrestrial ferruginous, sulfate-depleted mud volcano	<i>Frontiers in Microbiology</i> Vol. 8, p. 2137	2017	4.019	25.4%
268	Dang, H.Y.* and C.T.A. Chen	Ecological energetic perspectives on responses of nitrogen-transforming chemolithoautotrophic microbiota to changes in the marine environment	<i>Frontiers in Microbiology</i> , 8, 1246	2017	4.019	25.4%
269	Cheng-Chien Liu* , Ryosuke Nakamura, Ming-Hsun Ko, Tomoya Matsuo, Soushi Kato, Hsiao-Yuan Yin, Chung-Shiou Huang	Near real-time browsable Landsat-8 imagery	<i>Remote Sensing</i> , 9(1), 79	2017	3.406	26.7%

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270	Pan, C.Q., Y.T. Shi, X.G. Chen, C.T.A. Chen , X.Y. Tao and B. Wu*	New compounds from a hydrothermal vent crab-associated fungus <i>Aspergillus versicolor</i> XZ-4	<i>Organic & Biomolecular Chemistry</i> , 15 (5), 1155-1163	2017	3.423	28.1%
271	Luzon K.S., Lin M.-F* , Ablan Lagman M.C.A., Licuanan W.R.Y., Chen C.A. (*Co-first author)	Resurrecting a subgenus to genus: molecular phylogeny of <i>Euphyllia</i> and <i>Fimbriaphyllia</i> (order Scleractinia; family Euphyllidae; clade V)	<i>PeerJ</i> 5:e4074	2017	2.118	29.7%
272	Wang J-T* , S Keshavmurthy, T-Y Chu, CA Chen	Diverse response in <i>Symbiodinium</i> types to menthol and DCMU treatment	<i>PeerJ</i> 5:e3843	2017	2.118	29.7%
273	Shi, Y.T., C.Q. Pan, B.N. Auckloo, X.G. Chen, C.T.A. Chen , K.W. Wang, X.D. Wu, Y. Ye, B. Wu*	Stress-driven discovery of a cryptic antibiotic produced by <i>Streptomyces</i> sp. WU20 from Kueishantao hydrothermal vent with an integrated metabolomics strategy	<i>Applied Microbiology and Biotechnology</i> , 110 (4), 1395-1408	2017	3.340	29.8%
274	Chen, Tung-Yun; Hwang, Gwo-Wen; Mayfield, Anderson B.; Chen, Chang-Po; Lin, Hsing-Juh*	The relationship between intertidal soil composition and fiddler crab burrow depth	<i>Ecological Engineering</i>	2017	3.023	30.0%
275	Lui, H.K. and C.T.A. Chen*	Reconciliation of pH ₂₅ and pH _{insitu} acidification rates of the surface oceans: A simple conversion using only in situ temperature	<i>Limnology and Oceanography: Methods</i> , 15 (3), 328-335	2017	2.015	30.0%
276	Chien-Kei Wei, Yi-Hong Tsai, Michal Korinek, Pei-Hsuan Hung, Mohamed El-Shazly, Yuan-Bin Cheng , Yang-Chang Wu, Tusty-Juan Hsieh*, Fang-Rong Chang*	6-Paradol and 6-Shogaol, the Pungent Compounds of Ginger, Promote Glucose Utilization in Adipocytes and Myotubes, and 6-Paradol Reduces Blood Glucose in High-Fat Diet-Fed Mice	<i>International Journal of Molecular Sciences</i> , 2017(18), 168	2017	3.687	30.4%
277	Yung-Ting Chang, Chiung-Yao Huang, Jen-Yang Tang, Chih-Chuang Liaw , Ruei-Nian Li, Jing-Ru Liu, Jyh-Horng Sheu, Hsueh-Wei Chang*	Reactive oxygen species mediate soft corals-derived sinuleptolide-induced antiproliferation and DNA damage in oral cancer cells	<i>Oncotargets and Therapy</i> 2017, 10, 3289-3296	2017	2.656	37.9%
278	Chiung-Yao Huang, Atallah F. Ahmed, Jui-Hsin Su, Ping-Jyun Sung, Tsong-Long Hwang, Pei-Lun Chiang, Chang-Feng Dai, Chih-Chuang Liaw , Jyh-Horng Sheu*	Bioactive new withanolides from the cultured soft coral <i>Sinularia brassica</i>	<i>Bioorg. Med. Chem. Lett.</i> 2017, 27, 3267-3271	2017	2.442	38.6%
279	Chi-Ying Li, I-Wen Lo, Shih-Wei Wang, Tsong-Long Hwang, Yu-Ming Chung, Yuan-Bin Cheng , Sung-Pin Tseng, Yi-Hung Liu, Yu-Ming Hsu, Shu-Rong Chen, Hao-Chun Hu, Fang-Rong Chang* Yang-Chang Wu*	Novel 11- Norbetaenone Isolated from an Entomopathogenic Fungus <i>Lecanicillium antillanum</i>	<i>Bioorganic & Medicinal Chemistry Letters</i> , 27, 1978-1982	2017	2.442	38.6%

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280	Matsuno, T., N. Hirose, J. Zhang, Y.-K. Cho, DK Chen, DL Yuan, C.-C. Hung , S. Jan	Recent progress in Pacific-Asian Marginal Seas (PAMS) studies	<i>Continental Shelf Research</i> , 143, 89-90	2017	1.942	39.1%
281	He, X.Q.*, D.L. Pan, Y. Bai, T.Y. Wang, C.T.A. Chen , Q.K. Zhu, Z.Z. Hao and F. Gong	Recent changes of global ocean transparency observed by SeaWiFS	<i>Continental Shelf Research</i> , 143, 159-166	2017	1.942	39.1%
282	Tseng, H.C., C.T.A. Chen* , A.V. Borges, T.A. DelValls, Y.C. Chang	Methane in the South China Sea and the Western Philippine Sea	<i>Continental Shelf Research</i> , 135, 23-34	2017	1.942	39.1%
283	Yuan-Bin Cheng , Hao-Chun Hu, Yu-Chi Tsai, Shu-Li Chen, Mohamed El- Shazly, Maribel G. Nonato, Yang-Chang Wu*, Fang-Rong Chang*	solation and Absolute Configuration Determination of Alkaloids from Pandanus amaryllifolius	<i>Tetrahedron</i> , 73(25), 3423-3429	2017	2.377	40.4%
284	Chen, C.T.A.* , S. Kandasamy*, Y.P. Chang, Y. Bai, X.Q. He, J.T. Lu, X.L. Gao	Geochemical evidence of the indirect pathway of terrestrial particulate material transport to the Okinawa Trough	<i>Quaternary International</i> , 441 (Part A), 51-61	2017	2.163	44.7%
285	John F. Harrison, Chih-Hua Chang*, Cheng-Chien Liu	Identification of inventory-based susceptibility models for assessing landslide probability: a case study of the Gaoping River Basin, Taiwan. Geomatics	<i>Geomatics Natural Hazards & Risk</i>	2017	3.922	53.3%
286	Chen, I-Ching; Hsieh, Chih-hao; Kondoh, Michio; Lin, Hsing-Juh ; Miki, Takeshi; Nakamura, Masahiro; Ohgushi, Takayuki; Urabe, Jotaro; Yoshida, Takehito	Filling the gaps in ecological studies of socioecological systems	<i>Ecological Research</i>	2017	1.531	66.3%
287	Xing, L., Y.T. Kang, Y.F. Zhou, Y. Ye, X. Zhang, Y.F. Huang, C.T.A. Chen , H.W. Qin*	Determination of sulfate in seawater by a novel all-solid-state sulfate sensor with H ₂ SO ₄ doped polyaniline as sensitive membrane	<i>International Journal of Electrochemical Science</i> , 12 (2), 1506-1520	2017	1.369	69.0%
288	Chih-Chuang Liaw , Shu-Jing Wu, Ching-Fu Chen, Ming-Nan Lai, Lean Teik Ng	Anti-Inflammatory Activity and Bioactive Constituents of Cultivated <i>Xylaria nigripes</i> (Ascomycetes) Fruiting Bodies, a Chinese Medicinal Fungus	<i>International Journal of Medicinal Mushrooms</i> 2017, 19, 915-924	2017	1.272	76.7%
289	Zhang, X., Y. Ye, Y.T. Kan, Y.F. Huang, J.J. Jia, Y. Zhao, C.T.A. Chen , H.W. Qin*	A new electroplated Ir/Ir (OH) _x pH electrode and its application in the coastal areas of Newport Harbor, California	<i>Acta Oceanologica Sinica</i> , 36 (5), 99-104	2017	0.728	78.1%
290	Chiu, Ming-Chih; Pan, Ching-Wen; Lin, Hsing-Juh*	A framework for assessing risk to coastal ecosystems in Taiwan due to climate change	<i>Terrestrial Atmospheric and Oceanic Sciences</i>	2017	0.543	90.6%
291	Shiao*, J.-C., H.-B. Lu, J. Hsu, H.-Y. Wang, S.-K. Chang , M.-Y. Huang and T. Ishihara	Changes in size, age, and sex ratio composition of Pacific bluefin tuna (<i>Thunnus orientalis</i>) on the northwestern Pacific Ocean spawning grounds	<i>ICES Journal of Marine Sciences</i> , 74:204-214	2017	2.906	Q1