

Wei Zhang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4842719/wei-zhang-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

5,590
citations

39
h-index

65
g-index

223
ext. papers

6,482
ext. citations

5
avg. IF

6.03
L-index

#	Paper	IF	Citations
187	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10935-44	16.4	362
186	Marine sponge derived natural products between 2001 and 2010: trends and opportunities for discovery of bioactives. <i>Marine Drugs</i> , 2014 , 12, 4539-77	6	262
185	Anthocyanins-More Than Nature's Colours. <i>Journal of Biomedicine and Biotechnology</i> , 2004 , 2004, 239-240		200
184	Purification, molecular cloning, and characterization of glutathione S-transferases (GSTs) from pigmented <i>Vitis vinifera</i> L. cell suspension cultures as putative anthocyanin transport proteins. <i>Journal of Experimental Botany</i> , 2008 , 59, 3621-34	7	166
183	Increased lipid production of the marine oleaginous microalgae <i>Isochrysis zhangjiangensis</i> (Chrysophyta) by nitrogen supplement. <i>Bioresource Technology</i> , 2011 , 102, 6710-6	11	160
182	Two-stage photo-biological production of hydrogen by marine green alga <i>Platymonas subcordiformis</i> . <i>Biochemical Engineering Journal</i> , 2004 , 19, 69-73	4.2	145
181	Enhancing starch production of a marine green microalga <i>Tetraselmis subcordiformis</i> through nutrient limitation. <i>Bioresource Technology</i> , 2012 , 118, 438-44	11	135
180	Role of Dietary Nutrients in the Modulation of Gut Microbiota: A Narrative Review. <i>Nutrients</i> , 2020 , 12,	6.7	130
179	Functions, applications and production of protein hydrolysates from fish processing co-products (FPCP). <i>Food Research International</i> , 2013 , 50, 289-297	7	125
178	Advances in Microalgae-Derived Phytosterols for Functional Food and Pharmaceutical Applications. <i>Marine Drugs</i> , 2015 , 13, 4231-54	6	121
177	Culturable actinobacteria from the marine sponge <i>Hymeniacidon perlevei</i> : isolation and phylogenetic diversity by 16S rRNA gene-RFLP analysis. <i>Antonie Van Leeuwenhoek</i> , 2006 , 90, 159-69	2.1	119
176	Direct Superassemblies of Freestanding Metal-Carbon Frameworks Featuring Reversible Crystalline-Phase Transformation for Electrochemical Sodium Storage. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16533-16541	16.4	97
175	Integration of jasmonic acid and light irradiation for enhancement of anthocyanin biosynthesis in <i>Vitis vinifera</i> suspension cultures. <i>Plant Science</i> , 2002 , 162, 459-468	5.3	82
174	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. <i>Advanced Energy Materials</i> , 2016 , 6, 1600148	21.8	80
173	Development of an eco-friendly agar extraction technique from the red seaweed <i>Gracilaria lemaneiformis</i> . <i>Bioresource Technology</i> , 2008 , 99, 3301-5	11	68
172	The development of seaweed-derived bioactive compounds for use as prebiotics and nutraceuticals using enzyme technologies. <i>Trends in Food Science and Technology</i> , 2017 , 70, 20-33	15.3	65
171	Subcritical co-solvents extraction of lipid from wet microalgae pastes of <i>Nannochloropsis</i> sp. <i>European Journal of Lipid Science and Technology</i> , 2012 , 114, 205-212	3	64

170	Manipulating anthocyanin composition in <i>Vitis vinifera</i> suspension cultures by elicitation with jasmonic acid and light irradiation. <i>Biotechnology Letters</i> , 2003 , 25, 1131-5	3	61
169	Extraction and characterization of polysaccharides from Semen Cassiae by microwave-assisted aqueous two-phase extraction coupled with spectroscopy and HPLC. <i>Carbohydrate Polymers</i> , 2016 , 144, 263-70	10.3	60
168	A comparative study on the phylogenetic diversity of culturable actinobacteria isolated from five marine sponge species. <i>Antonie Van Leeuwenhoek</i> , 2008 , 93, 241-8	2.1	60
167	Improved antioxidant activities of brown seaweed <i>Ecklonia radiata</i> extracts prepared by microwave-assisted enzymatic extraction. <i>Journal of Applied Phycology</i> , 2015 , 27, 2049-2058	3.2	57
166	Effect of temperature and its shift on growth and anthocyanin production in suspension cultures of strawberry cells. <i>Plant Science</i> , 1997 , 127, 207-214	5.3	57
165	In vitro studies of the neuroprotective activities of astaxanthin and fucoxanthin against amyloid beta (A β) toxicity and aggregation. <i>Neurochemistry International</i> , 2019 , 124, 215-224	4.4	52
164	Anthocyanic vacuolar inclusions (AVIs) selectively bind acylated anthocyanins in <i>Vitis vinifera</i> L. (grapevine) suspension culture. <i>Biotechnology Letters</i> , 2003 , 25, 835-9	3	51
163	Impact of extraction processes on prebiotic potential of the brown seaweed <i>Ecklonia radiata</i> by in vitro human gut bacteria fermentation. <i>Journal of Functional Foods</i> , 2016 , 24, 221-230	5.1	51
162	A combination of elicitation and precursor feeding leads to increased anthocyanin synthesis in cell suspension cultures of <i>Vitis vinifera</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2011 , 107, 261-269	2.7	49
161	Vortex Fluidic Device-Intensified Aqueous Two Phase Extraction of C-Phycocyanin from <i>Spirulina maxima</i> . <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3905-3911	8.3	49
160	Growth and lactic acid production in batch culture of <i>Lactobacillus rhamnosus</i> in a defined medium. <i>Biotechnology Letters</i> , 1999 , 21, 163-167	3	48
159	Characterization of anthocyanic vacuolar inclusions in <i>Vitis vinifera</i> L. cell suspension cultures. <i>Planta</i> , 2010 , 231, 1343-60	4.7	47
158	Lobster processing by-products as valuable bioresource of marine functional ingredients, nutraceuticals, and pharmaceuticals. <i>Bioresources and Bioprocessing</i> , 2017 , 4, 27	5.2	46
157	Discovery of novel saponins from the viscera of the sea cucumber <i>Holothuria lessona</i> . <i>Marine Drugs</i> , 2014 , 12, 2633-67	6	46
156	Cytotoxic effect of xanthenes from pericarp of the tropical fruit mangosteen (<i>Garcinia mangostana</i> Linn.) on human melanoma cells. <i>Food and Chemical Toxicology</i> , 2011 , 49, 2385-91	4.7	46
155	Enzyme-assisted extraction of carbohydrates from the brown alga <i>Ecklonia radiata</i> : Effect of enzyme type, pH and buffer on sugar yield and molecular weight profiles. <i>Process Biochemistry</i> , 2016 , 51, 1503-1510	4.8	45
154	High-photovoltage all-polymer solar cells based on a diketopyrrolopyrrole-indigo acceptor polymer. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 11693-11700	13	43
153	Significant enhancement of photobiological H ₂ evolution by carbonylcyanide m-chlorophenylhydrazone in the marine green alga <i>Platymonas subcordiformis</i> . <i>Biotechnology Letters</i> , 2004 , 26, 1031-5	3	42

152	Production of anthocyanins by plant cell cultures. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 231-252	3.1	41
151	New marine natural products from sponges (Porifera) of the order Dictyoceratida (2001 to 2012); a promising source for drug discovery, exploration and future prospects. <i>Biotechnology Advances</i> , 2016 , 34, 473-491	17.8	40
150	Potential of the marine sponge <i>Hymeniacidon perleve</i> as a bioremediator of pathogenic bacteria in integrated aquaculture ecosystems. <i>Biotechnology and Bioengineering</i> , 2006 , 93, 1112-22	4.9	40
149	Effects of nutrient deprivation on biochemical compositions and photo-hydrogen production of <i>Tetraselmis subcordiformis</i> . <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 5817-5821	6.7	39
148	Selective feeding by sponges on pathogenic microbes: a reassessment of potential for abatement of microbial pollution. <i>Marine Ecology - Progress Series</i> , 2010 , 403, 75-89	2.6	39
147	Multiple-response optimization of the acidic treatment of the brown alga <i>Ecklonia radiata</i> for the sequential extraction of fucoidan and alginate. <i>Bioresource Technology</i> , 2015 , 197, 302-9	11	38
146	Selective growth inhibition of human leukemia and human lymphoblastoid cells by resveratrol via cell cycle arrest and apoptosis induction. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 7572-7	5.7	38
145	Treatment strategies for high resveratrol induction in L. cell suspension culture. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014 , 1-2, 15-21	5.3	37
144	Towards manipulation of post-biosynthetic events in secondary metabolism of plant cell cultures. <i>Enzyme and Microbial Technology</i> , 2002 , 30, 688-696	3.8	37
143	Oryzamides A-E, Cyclodepsipeptides from the Sponge-Derived Fungus <i>Nigrospora oryzae</i> PF18. <i>Journal of Natural Products</i> , 2016 , 79, 2045-52	4.9	36
142	Laser irradiated vortex fluidic mediated synthesis of luminescent carbon nanodots under continuous flow. <i>Reaction Chemistry and Engineering</i> , 2018 , 3, 164-170	4.9	35
141	Role of carbonyl cyanide m-chlorophenylhydrazone in enhancing photobiological hydrogen production by marine green alga <i>Platymonas subcordiformis</i> . <i>Biotechnology Progress</i> , 2006 , 22, 438-43	2.8	35
140	Optimizing the formation of in vitro sponge primmorphs from the Chinese sponge <i>Stylotella agminata</i> (Ridley). <i>Journal of Biotechnology</i> , 2003 , 100, 161-8	3.7	35
139	Critical evaluation of process parameters for direct biodiesel production from diverse feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 123, 109762	16.2	34
138	Dysiherbols A-C and Dysideanone E, Cytotoxic and NF- κ B Inhibitory Tetracyclic Meroterpenes from a Dysidea sp. Marine Sponge. <i>Journal of Natural Products</i> , 2016 , 79, 406-11	4.9	34
137	Structure elucidation of five novel isomeric saponins from the viscera of the sea cucumber <i>Holothuria lessona</i> . <i>Marine Drugs</i> , 2014 , 12, 4439-73	6	34
136	Potential products from the highly diverse and endemic macroalgae of Southern Australia and pathways for their sustainable production. <i>Journal of Applied Phycology</i> , 2013 , 25, 717-732	3.2	34
135	Neuroprotective activities of natural products from marine macroalgae during 1999-2015. <i>Journal of Applied Phycology</i> , 2016 , 28, 3599-3616	3.2	34

134	Primmorphs from archaeocytes-dominant cell population of the sponge hymeniacidon perleve: improved cell proliferation and spiculogenesis. <i>Biotechnology and Bioengineering</i> , 2003 , 84, 583-90	4.9	32
133	Polysaccharide and phlorotannin-enriched extracts of the brown seaweed Ecklonia radiata influence human gut microbiota and fermentation in vitro. <i>Journal of Applied Phycology</i> , 2017 , 29, 2407-2416	3.2	31
132	Anti-skin cancer properties of phenolic-rich extract from the pericarp of mangosteen (<i>Garcinia mangostana</i> Linn.). <i>Food and Chemical Toxicology</i> , 2012 , 50, 3004-13	4.7	31
131	Purification and in vitro cultivation of archaeocytes (stem cells) of the marine sponge Hymeniacidon perleve (Demospongiae). <i>Cell and Tissue Research</i> , 2007 , 328, 223-37	4.2	31
130	Microwave-Intensified Enzymatic Deproteinization of Australian Rock Lobster Shells (<i>Jasus edwardsii</i>) for the Efficient Recovery of Protein Hydrolysate as Food Functional Nutrients. <i>Food and Bioprocess Technology</i> , 2016 , 9, 628-636	5.1	30
129	Partial deletion of a loop region in the high affinity K ⁺ transporter HKT1 changes ionic permeability leading to increased salt tolerance. <i>Journal of Biological Chemistry</i> , 2000 , 275, 27924-32	5.4	30
128	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4260-6	16.4	29
127	Characterization of hydrogen production by <i>Platymonas Subcordiformis</i> in torus photobioreactor. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 7200-7205	6.7	29
126	Kinetics of conventional and microwave-assisted fucoidan extractions from the brown alga, <i>Ecklonia radiata</i> . <i>Journal of Applied Phycology</i> , 2015 , 27, 2079-2087	3.2	27
125	Culture-independent nested PCR method reveals high diversity of actinobacteria associated with the marine sponges <i>Hymeniacidon perleve</i> and <i>Sponge sp.</i> <i>Antonie Van Leeuwenhoek</i> , 2008 , 94, 533-42	2.1	25
124	Improved hydrogen photoproduction regulated by carbonylcyanide m-chlorophenylthrazone from marine green alga <i>Platymonas subcordiformis</i> grown in CO ₂ -supplemented air bubble column bioreactor. <i>Biotechnology Letters</i> , 2008 , 30, 877-83	3	25
123	A novel three-stage light irradiation strategy in the submerged fermentation of medicinal mushroom <i>Ganoderma lucidum</i> for the efficient production of ganoderic acid and <i>Ganoderma</i> polysaccharides. <i>Biotechnology Progress</i> , 2008 , 24, 1249-61	2.8	25
122	<i>Actinoalloteichus hymeniacidonis</i> sp. nov., an actinomycete isolated from the marine sponge <i>Hymeniacidon perleve</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006 , 56, 2309-2312	2.3	25
121	Sequential extraction and characterization of fucoidans and alginates from <i>Ecklonia radiata</i> , <i>Macrocystis pyrifera</i> , <i>Durvillaea potatorum</i> , and <i>Seirococcus axillaris</i> . <i>Journal of Applied Phycology</i> , 2017 , 29, 1515-1526	3.2	24
120	Purification and characterization of a dehalogenase from <i>Pseudomonas stutzeri</i> DEH130 isolated from the marine sponge <i>Hymeniacidon perlevis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 1791-9	4.4	24
119	Optimisation of biorefinery production of alginate, fucoidan and laminarin from brown seaweed <i>Durvillaea potatorum</i> . <i>Algal Research</i> , 2019 , 38, 101389	5	24
118	Significant Enrichment of Polyunsaturated Fatty Acids (PUFAs) in the Lipids Extracted by Supercritical CO ₂ from the Livers of Australian Rock Lobsters (<i>Jasus edwardsii</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 4621-8	5.7	23
117	Deoxyuridines from the marine sponge associated actinomycete <i>Streptomyces microflavus</i> . <i>Marine Drugs</i> , 2011 , 9, 690-5	6	22

116	Antifungal bromopyrrole alkaloids from the South China Sea sponge <i>Agelas</i> sp.. <i>Tetrahedron</i> , 2016 , 72, 2964-2971	2.4	22
115	Microfluidic Devices in Fabricating Nano or Micromaterials for Biomedical Applications. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900488	6.8	21
114	Fish protein hydrolysates: application in deep-fried food and food safety analysis. <i>Journal of Food Science</i> , 2015 , 80, E108-15	3.4	21
113	Optimization and scale-up of a new photobleaching agar extraction process from <i>Gracilaria lemaneiformis</i> . <i>Journal of Applied Phycology</i> , 2009 , 21, 247-254	3.2	21
112	Hyper-production of ¹³ C-labeled trans-resveratrol in <i>Vitis vinifera</i> suspension cell culture by elicitation and in situ adsorption. <i>Biochemical Engineering Journal</i> , 2011 , 53, 292-296	4.2	21
111	A normal mucin-binding lectin from the sponge <i>Craniella australiensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006 , 143, 9-16	3.2	21
110	To Stretch the Boundary of Secondary Metabolite Production in Plant Cell-Based Bioprocessing: Anthocyanin as a Case Study. <i>Journal of Biomedicine and Biotechnology</i> , 2004 , 2004, 264-271		21
109	Instability of anthocyanin accumulation in <i>Vitis vinifera</i> L. var. Gamay Frâux suspension cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2005 , 10, 155-161	3.1	21
108	Stability of phenolic compounds and antioxidant capacity of concentrated mulberry juice-enriched dried-minced pork slices during preparation and storage. <i>Food Control</i> , 2018 , 89, 187-195	6.2	20
107	Vortex fluidic mediated direct transesterification of wet microalgae biomass to biodiesel. <i>Bioresource Technology</i> , 2018 , 266, 488-497	11	20
106	Cellular localization of debromohymenialdisine and hymenialdisine in the marine sponge <i>Axinella</i> sp. using a newly developed cell purification protocol. <i>Marine Biotechnology</i> , 2011 , 13, 868-82	3.4	20
105	Efficient bioremediation of total organic carbon (TOC) in integrated aquaculture system by marine sponge <i>Hymeniacidon perlevis</i> . <i>Biotechnology and Bioengineering</i> , 2007 , 97, 1387-97	4.9	20
104	Comparative study on neuroprotective activities of fucoidans from <i>Fucus vesiculosus</i> and <i>Undaria pinnatifida</i> . <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 255-264	7.9	20
103	Gut health benefits of brown seaweed <i>Ecklonia radiata</i> and its polysaccharides demonstrated in vivo in a rat model. <i>Journal of Functional Foods</i> , 2017 , 37, 676-684	5.1	19
102	Application of a MTT assay for screening nutritional factors in growth media of primary sponge cell culture. <i>Biotechnology Progress</i> , 2004 , 20, 151-5	2.8	19
101	Dynamics of spicule production in the marine sponge <i>Hymeniacidon perlevis</i> during in vitro cell culture and seasonal development in the field. <i>Cell and Tissue Research</i> , 2007 , 329, 595-608	4.2	19
100	Biopotentials of marine sponges from China oceans: past and future. <i>New Biotechnology</i> , 2003 , 20, 413-9		19
99	Distribution of Saponins in the Sea Cucumber ; the Body Wall Versus the Viscera, and Their Biological Activities. <i>Marine Drugs</i> , 2018 , 16,	6	19

98	Phylogenetic diversity of Gram-positive bacteria cultured from Antarctic deep-sea sponges. <i>Polar Biology</i> , 2011 , 34, 1501-1512	2	18
97	Formulation of a basal medium for primary cell culture of the marine sponge <i>Hymeniacidon perleve</i> . <i>Biotechnology Progress</i> , 2005 , 21, 1008-12	2.8	18
96	On the evaluation of diffusivities in gels using the diffusion cell technique. <i>Biochemical Engineering Journal</i> , 2001 , 9, 73-82	4.2	18
95	Laser-Ablated Vortex Fluidic-Mediated Synthesis of Superparamagnetic Magnetite Nanoparticles in Water Under Flow. <i>ACS Omega</i> , 2018 , 3, 11172-11178	3.9	18
94	Process optimisation and physicochemical characterisation of enzymatic hydrolysates of proteins from co-products of Atlantic Salmon (<i>Salmo salar</i>) and Yellowtail Kingfish (<i>Seriola lalandi</i>). <i>International Journal of Food Science and Technology</i> , 2012 , 47, 2397-2404	3.8	17
93	Anthocyanin synthesis, growth and nutrient uptake in suspension cultures of strawberry cells. <i>Journal of Bioscience and Bioengineering</i> , 1998 , 86, 72-78		17
92	Process and economic feasibility for the production of functional food from the brown alga <i>Ecklonia radiata</i> . <i>Algal Research</i> , 2018 , 29, 80-91	5	17
91	Purification and characterization of 2-haloacid dehalogenase from marine bacterium <i>Paracoccus</i> sp. DEH99, isolated from marine sponge <i>Hymeniacidon perlevis</i> . <i>Journal of Ocean University of China</i> , 2014 , 13, 91-96	1	16
90	Chiral self-assembly of designed amphiphiles: influences on aggregate morphology. <i>Langmuir</i> , 2013 , 29, 10001-10	4	16
89	Bioremediation of bacteria pollution using the marine sponge <i>Hymeniacidon perlevis</i> in the intensive mariculture water system of turbot <i>Scophthalmus maximus</i> . <i>Biotechnology and Bioengineering</i> , 2010 , 105, 59-68	4.9	16
88	Effect of <i>Flammulina velutipes</i> on the physicochemical and sensory characteristics of Cantonese sausages. <i>Meat Science</i> , 2019 , 154, 22-28	6.4	15
87	Chiral self-assembly of designed amphiphiles: optimization for nanotube formation. <i>Langmuir</i> , 2012 , 28, 14172-9	4	15
86	Characterisation of processing wastes of Atlantic Salmon (<i>Salmo salar</i>) and Yellowtail Kingfish (<i>Seriola lalandi</i>) harvested in Australia. <i>International Journal of Food Science and Technology</i> , 2011 , 46, 1898-1904	3.8	15
85	Isolation, characterization and identification of a <i>Paracoccus</i> sp. 2-haloacid-degrading bacterium from the marine sponge <i>Hymeniacidon perlevis</i> . <i>Journal of Basic Microbiology</i> , 2011 , 51, 318-24	2.7	15
84	Neuroprotective Activities of Marine Natural Products from Marine Sponges. <i>Current Medicinal Chemistry</i> , 2016 , 23, 360-82	4.3	15
83	Protein Recovery from Underutilised Marine Bioresources for Product Development with Nutraceutical and Pharmaceutical Bioactivities. <i>Marine Drugs</i> , 2020 , 18,	6	15
82	Coordinated Regulation of Anthocyanin Biosynthesis Genes Confers Varied Phenotypic and Spatial-Temporal Anthocyanin Accumulation in Radish (<i>L.</i>). <i>Frontiers in Plant Science</i> , 2017 , 8, 1243	6.2	14
81	New diterpene alkaloids from the marine sponge <i>Agelas mauritiana</i> . <i>RSC Advances</i> , 2017 , 7, 23970-23976	7	13

80	Vortex Fluidic Mediated Synthesis of Macroporous Bovine Serum Albumin-Based Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27224-27232	9.5	13
79	Enhanced production of harringtonine and homoharringtonine in <i>Cephalotaxus fortunei</i> callus culture by periodic temperature oscillation. <i>Biotechnology Letters</i> , 1998 , 20, 63-66	3	13
78	Sponge-associated actinobacterial diversity: validation of the methods of actinobacterial DNA extraction and optimization of 16S rRNA gene amplification. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 8731-40	5.7	12
77	Interfacial assembly of mesoporous nanopyrramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. <i>NPG Asia Materials</i> , 2015 , 7, e204-e204	10.3	12
76	A two-phase flow model coupling with volume of fluid and immersed boundary methods for free surface and moving structure problems. <i>Ocean Engineering</i> , 2013 , 74, 107-124	3.9	12
75	Experimental silicon demand by the sponge <i>Hymeniacidon perlevis</i> reveals chronic limitation in field populations. <i>Hydrobiologia</i> , 2012 , 687, 251-257	2.4	12
74	Characterisation of the shrinkage of calcium alginate gel membrane with immobilised <i>Lactobacillus rhamnosus</i> . <i>Applied Microbiology and Biotechnology</i> , 2000 , 54, 28-32	5.7	12
73	Turbo thin film continuous flow production of biodiesel from fungal biomass. <i>Bioresource Technology</i> , 2019 , 273, 431-438	11	12
72	Phylogenetic diversity and characterization of 2-haloacid degrading bacteria from the marine sponge <i>Hymeniacidon perlevis</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 1787-1794	4.4	11
71	Growth and survival of early juveniles of the marine sponge <i>Hymeniacidon perlevis</i> (Demospongiae) under controlled conditions. <i>Marine Biotechnology</i> , 2009 , 11, 640-9	3.4	11
70	Preparative separation of major xanthenes from mangosteen pericarp using high-performance centrifugal partition chromatography. <i>Journal of Separation Science</i> , 2010 , 33, 1274-8	3.4	11
69	Vortex Fluidic-Mediated Fabrication of Fast Gelated Silica Hydrogels with Embedded Laccase Nanoflowers for Real-Time Biosensing under Flow. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51999-52007	9.5	11
68	The role of sponge-bacteria interactions: the sponge <i>Aplysilla rosea</i> challenged by its associated bacterium <i>Streptomyces ACT-52A</i> in a controlled aquarium system. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10609-10626	5.7	11
67	Impact of <i>Ecklonia radiata</i> extracts on the neuroprotective activities against amyloid beta (A β -42) toxicity and aggregation. <i>Journal of Functional Foods</i> , 2020 , 68, 103893	5.1	11
66	Sub-micron moulding topological mass transport regimes in angled vortex fluidic flow. <i>Nanoscale Advances</i> , 2021 , 3, 3064-3075	5.1	11
65	Development of a multilocus-based approach for sponge (phylum Porifera) identification: refinement and limitations. <i>Scientific Reports</i> , 2017 , 7, 41422	4.9	10
64	High-Shear-Imparted Tunable Fluorescence in Polyethylenimines. <i>ChemPhotoChem</i> , 2018 , 2, 343-348	3.3	10
63	New antimalarial norterpene cyclic peroxides from Xisha Islands sponge <i>Diacarnus megaspinorhabdosa</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 2084-7	2.9	10

62	Abietane diterpenoids synthesized by suspension-cultured cells of <i>Cephalotaxus fortunei</i> . <i>Phytochemistry Letters</i> , 2011 , 4, 52-55	1.9	10
61	Study on bioactivity of extracts from marine sponges in Chinese Sea. <i>Journal of Experimental Marine Biology and Ecology</i> , 2004 , 298, 71-78	2.1	10
60	Application and optimization of the highly efficient and environmentally-friendly microwave-intensified lactic acid demineralization of deproteinized Rock lobster shells (<i>Jasus edwardsii</i>) for chitin production. <i>Food and Bioproducts Processing</i> , 2017 , 102, 367-374	4.9	9
59	Untapped sponge microbiomes: structure specificity at host order and family levels. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	9
58	Preparation of a microalgal photoanode for hydrogen production by photo-bioelectrochemical water-splitting. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 13045-13049	6.7	9
57	Bioactive sesquiterpene quinols and quinones from the marine sponge <i>Dysidea avara</i> . <i>RSC Advances</i> , 2015 , 5, 87730-87738	3.7	9
56	Altered mRNA expression related to the apoptotic effect of three xanthenes on human melanoma SK-MEL-28 cell line. <i>BioMed Research International</i> , 2013 , 2013, 715603	3	9
55	Halichondria sulfonic acid, a new HIV-1 inhibitory guanidino-sulfonic acid, and halistanol sulfate isolated from the marine sponge <i>Halichondria rugosa</i> Ridley & Dendy. <i>Natural Product Research</i> , 2006 , 20, 1129-35	2.3	9
54	Marine Actinomycetes-derived Natural Products. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 2868-2918	9	
53	Seaweed and seaweed-derived metabolites as prebiotics. <i>Advances in Food and Nutrition Research</i> , 2020 , 91, 97-156	6	9
52	Continuous flow biodiesel production from wet microalgae using a hybrid thin film microfluidic platform. <i>Chemical Communications</i> , 2018 , 54, 12085-12088	5.8	9
51	Uncovering the hidden marine sponge microbiome by applying a multi-primer approach. <i>Scientific Reports</i> , 2019 , 9, 6214	4.9	8
50	High temporal variability in bacterial community, silicatein and hsp70 expression during the annual life cycle of <i>Hymeniacidon sinapium</i> (Demospongiae) in China's Yellow Sea. <i>Aquaculture</i> , 2012 , 358-359, 262-273	4.4	8
49	Discovery of antimicrobial activities of a marine diatom <i>Thalassiosira rotula</i> . <i>African Journal of Microbiology Research</i> , 2013 , 7, 5687-5696	0.5	8
48	Purification and characterization of a hydrogenase from the marine green alga <i>Tetraselmis subcordiformis</i> . <i>Process Biochemistry</i> , 2011 , 46, 1212-1215	4.8	8
47	Attachment of marine sponge cells of <i>Hymeniacidon perleve</i> on microcarriers. <i>Biotechnology Progress</i> , 2003 , 19, 1569-73	2.8	8
46	Protein hydrolysates produced from rock lobster () Head: emulsifying capacity and food safety. <i>Food Science and Nutrition</i> , 2016 , 4, 869-877	3.2	8
45	Fresh living <i>Arthrospira</i> as dietary supplements: Current status and challenges. <i>Trends in Food Science and Technology</i> , 2019 , 88, 439-444	15.3	7

44	Hot water pretreatment-induced significant metabolite changes in the sea cucumber <i>Apostichopus japonicus</i> . <i>Food Chemistry</i> , 2020 , 314, 126211	8.5	7
43	Larval release and settlement of the marine sponge <i>Hymeniacidon perlevis</i> (Porifera, Demospongiae) under controlled laboratory conditions. <i>Aquaculture</i> , 2009 , 290, 132-139	4.4	7
42	Significantly improved taxuyunnanine C production in cell suspension cultures of <i>Taxus chinensis</i> by process intensification of repeated elicitation, sucrose feeding, and in situ adsorption. <i>World Journal of Microbiology and Biotechnology</i> , 2011 , 27, 2271-2279	4.4	6
41	Cloning and structure analysis of hydrogenase gene from <i>Chlamydomonas reinhardtii</i> SE. <i>Process Biochemistry</i> , 2005 , 40, 2968-2972	4.8	6
40	Cultivation of marine sponges. <i>Chinese Journal of Oceanology and Limnology</i> , 2005 , 23, 194-198		6
39	Comparative analysis of sugar and mineral content of <i>Sargassum</i> spp. collected from different coasts of Sri Lanka. <i>Journal of Applied Phycology</i> , 2019 , 31, 2643-2651	3.2	5
38	In vitro protective activity of South Australian marine sponge and macroalgae extracts against amyloid beta (A β) induced neurotoxicity in PC-12 cells. <i>Neurotoxicology and Teratology</i> , 2018 , 68, 72-83	3.9	5
37	Sustained hydrogen photoproduction by marine green algae <i>Platymonas subcordiformis</i> integrated with in situ hydrogen consumption by an alkaline fuel cell system. <i>Journal of Biotechnology</i> , 2008 , 136, S573	3.7	5
36	Optimal light regime for the cultivation of transgenic <i>Laminaria japonica</i> gametophytes in a bubble-column bioreactor. <i>Biotechnology Letters</i> , 2005 , 27, 1417-9	3	5
35	<i>Ecklonia radiata</i> extract containing eckol protects neuronal cells against A β -evoked toxicity and reduces aggregate density. <i>Food and Function</i> , 2020 , 11, 6509-6516	6.1	5
34	A Two-Phase Flow Model with VOF for Free Surface Flow Problems. <i>Applied Mechanics and Materials</i> , 2012 , 232, 279-283	0.3	4
33	Comparison of spiculogenesis in in vitro ADCP-primmorph and explants culture of marine sponge <i>Hymeniacidon perlevis</i> with 3-TMOSPU supplementation. <i>Biotechnology Progress</i> , 2007 , 23, 707-14	2.8	4
32	Critical assessment of quasi-steady-state method to determine effective diffusivities in alginate gel membranes. <i>Biochemical Engineering Journal</i> , 1999 , 4, 55-63	4.2	4
31	Highly efficient recovery of nutritional proteins from Australian Rock Lobster heads (<i>Jasus edwardsii</i>) by integrating ultrasonic extraction and chitosan co-precipitation. <i>Innovative Food Science and Emerging Technologies</i> , 2020 , 60, 102308	6.8	4
30	Techno-economic feasibility analysis of microwave-assisted biorefinery of multiple products from Australian lobster shells. <i>Food and Bioprocess Processing</i> , 2020 , 124, 419-433	4.9	4
29	Combining the Anticancer and Immunomodulatory Effects of and Shiitake as an Integrated Therapeutic Approach. <i>Nutrients</i> , 2021 , 13,	6.7	4
28	Response of Sponge Microbiomes to Environmental Variations 2019 , 181-247		3
27	Efficient purification with high recovery of vanadium bromoperoxidase from <i>Corallina officinalis</i> . <i>Biotechnology Letters</i> , 2011 , 33, 545-8	3	3

26	An improved procedure for characterization of spatial and temporal evolution of immobilized cells in gel membranes. <i>Applied Microbiology and Biotechnology</i> , 2001 , 56, 693-9	5.7	3
25	A two-stage process with temperature-shift for enhanced anthocyanin production in strawberry cell suspension cultures. <i>Science in China Series B: Chemistry</i> , 1999 , 42, 345-350		3
24	Release of encapsulated bioactives influenced by alginate viscosity under in-vitro gastrointestinal model. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 540-548	7.9	3
23	A controlled aquarium system and approach to study the role of sponge-bacteria interactions using <i>Aplysilla rosea</i> and <i>Vibrio natriegens</i> . <i>Scientific Reports</i> , 2018 , 8, 11801	4.9	2
22	Molecular cloning of partial 14-3-3 genes in the marine sponge <i>Hymeniacidon perleve</i> and its role in differentiating infectious and non-infectious bacteria. <i>Science Bulletin</i> , 2013 , 58, 766-776		1
21	Microbial and Plant Cell Synthesis of Secondary Metabolites and Strain Improvement 2011 , 101-135		1
20	High-density cell cultivation for photobiological hydrogen production by marine green alga <i>Platymonas subcordiformis</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S572-S573	3.7	1
19	A Phase-Segregated Model for Plant Cell Culture: The Effect of Cell Volume Fraction.. <i>Journal of Chemical Engineering of Japan</i> , 1998 , 31, 469-474	0.8	1
18	Vortex fluidic induced mass transfer across immiscible phases.. <i>Chemical Science</i> , 2022 , 13, 3375-3385	9.4	1
17	Feasibility of sponge <i>Hymeniacidon perlevis</i> in controlling pathogenic bacteria in turbot <i>Scophthalmus maximus</i> -culture water system. <i>Journal of Biotechnology</i> , 2008 , 136, S685	3.7	0
16	Cultivation of fractionated cells from a bioactive-alkaloid-bearing marine sponge <i>Axinella</i> sp. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2021 , 57, 539-549	2.6	0
15	New norterpene cyclic peroxides and a new polyketide from the marine sponge <i>Diacarnus megaspinorhabdosa</i> . <i>Tetrahedron Letters</i> , 2021 , 74, 153155	2	0
14	Marine Sponge Endosymbionts: Structural and Functional Specificity of the Microbiome within Cells.. <i>Microbiology Spectrum</i> , 2022 , e0229621	8.9	0
13	<i>Astragalus Shiitake</i> Novel Functional Food with High Polysaccharide Content and Anti-Proliferative Activity in a Colorectal Carcinoma Cell Line. <i>Nutrients</i> , 2022 , 14, 2333	6.7	0
12	Secondary metabolites from microorganisms isolated from marine sponges from 2000 to 2012 2015 , 279-316		
11	Intracellular ribonucleotide pools as a tool for monitoring the physiological state of plant cell suspension culture of <i>Vitis vinifera</i> in response to temperature change. <i>Journal of Biotechnology</i> , 2008 , 136, S480	3.7	
10	Nitrogen limitation on growth, starch accumulation and hydrogen metabolism of marine green alga <i>Platymonas subcordiformis</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S576	3.7	
9	Disruption of marine green alga <i>Platymonas subcordiformis</i> for hydrogenase isolation under anaerobic environment. <i>Journal of Biotechnology</i> , 2008 , 136, S566	3.7	

- 8 Experimental studies of the role of different cell types in morphogenesis in marine sponge Hymeniacidon perleve. *Journal of Biotechnology*, **2008**, 136, S110 3·7
- 7 Molecular plant cell bioprocessing: Manipulation and characterisation of post-biosynthetic pathway towards hyperproduction of secondary metabolites. *Journal of Biotechnology*, **2008**, 136, S148-S149 3·7
- 6 Biotechnological potential of the marine invertebrates associated microbes and its diversity. *Journal of Biotechnology*, **2008**, 136, S615 3·7
- 5 Culture-independent diversity of actinobacteria associated with two marine sponges Hymeniacidon perlevis and Sponge sp.. *Journal of Biotechnology*, **2008**, 136, S615 3·7
- 4 Preliminary purification of an iron hydrogenase from marine green alga *Platymonas subcordiformis*. *Journal of Biotechnology*, **2008**, 136, S566 3·7
- 3 Macroalgal Value Chain. *Advances in Environmental Engineering and Green Technologies Book Series*, 22-109, 4
- 2 Effects of Calcium and Vanadium Ions on the Epoxidation of Cyclohexene with H₂O₂ Catalyzed by Vanadium Bromoperoxidase. *Chinese Journal of Catalysis*, **2010**, 31, 1293-1299 11·3
- 1 Experimental silicon demand by the sponge Hymeniacidon perlevis reveals chronic limitation in field populations **2011**, 251-257