

Wei Zhang

List of Publications by Year in Descending Order

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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	Vortex fluidic induced mass transfer across immiscible phases.. <i>Chemical Science</i> , 2022 , 13, 3375-3385	9.4	1
186	Marine Sponge Endosymbionts: Structural and Functional Specificity of the Microbiome within Cells.. <i>Microbiology Spectrum</i> , 2022 , e0229621	8.9	0
185	Astragalus Shiitake A 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
184	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
183	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
182	Combining the Anticancer and Immunomodulatory Effects of and Shiitake as an Integrated Therapeutic Approach. <i>Nutrients</i> , 2021 , 13,	6.7	4
181	Sub-micron moulding topological mass transport regimes in angled vortex fluidic flow. <i>Nanoscale Advances</i> , 2021 , 3, 3064-3075	5.1	11
180	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
179	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
178	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
177	Role of Dietary Nutrients in the Modulation of Gut Microbiota: A Narrative Review. <i>Nutrients</i> , 2020 , 12,	6.7	130
176	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
175	Seaweed and seaweed-derived metabolites as prebiotics. <i>Advances in Food and Nutrition Research</i> , 2020 , 91, 97-156	6	9
174	<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
173	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
172	Protein Recovery from Underutilised Marine Bioresources for Product Development with Nutraceutical and Pharmaceutical Bioactivities. <i>Marine Drugs</i> , 2020 , 18,	6	15
171	Techno-economic feasibility analysis of microwave-assisted biorefinery of multiple products from Australian lobster shells. <i>Food and Bioproducts Processing</i> , 2020 , 124, 419-433	4.9	4

170	Impact of Ecklonia radiata 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
169	Untapped sponge microbiomes: structure specificity at host order and family levels. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	9
168	Response of Sponge Microbiomes to Environmental Variations 2019 , 181-247		3
167	Uncovering the hidden marine sponge microbiome by applying a multi-primer approach. <i>Scientific Reports</i> , 2019 , 9, 6214	4.9	8
166	Fresh living Arthrospira as dietary supplements: Current status and challenges. <i>Trends in Food Science and Technology</i> , 2019 , 88, 439-444	15.3	7
165	Comparative analysis of sugar and mineral content of Sargassum spp. collected from different coasts of Sri Lanka. <i>Journal of Applied Phycology</i> , 2019 , 31, 2643-2651	3.2	5
164	Effect of Flammulina velutipes on the physicochemical and sensory characteristics of Cantonese sausages. <i>Meat Science</i> , 2019 , 154, 22-28	6.4	15
163	Microfluidic Devices in Fabricating Nano or Micromaterials for Biomedical Applications. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900488	6.8	21
162	Marine Actinomycetes-derived Natural Products. <i>Current Topics in Medicinal Chemistry</i> , 2019 , 19, 2868-2918		9
161	Optimisation of biorefinery production of alginate, fucoidan and laminarin from brown seaweed Durvillaea potatorum. <i>Algal Research</i> , 2019 , 38, 101389	5	24
160	Turbo thin film continuous flow production of biodiesel from fungal biomass. <i>Bioresource Technology</i> , 2019 , 273, 431-438	11	12
159	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
158	Comparative study on neuroprotective activities of fucoidans from Fucus vesiculosus and Undaria pinnatifida. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 255-264	7.9	20
157	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
156	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
155	High-Shear-Imparted Tunable Fluorescence in Polyethylenimines. <i>ChemPhotoChem</i> , 2018 , 2, 343-348	3.3	10
154	Vortex Fluidic Mediated Synthesis of Macroporous Bovine Serum Albumin-Based Microspheres. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 27224-27232	9.5	13
153	Vortex fluidic mediated direct transesterification of wet microalgae biomass to biodiesel. <i>Bioresource Technology</i> , 2018 , 266, 488-497	11	20

152	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
151	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
150	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
149	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
148	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
147	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
146	Development of a multilocus-based approach for sponge (phylum Porifera) identification: refinement and limitations. <i>Scientific Reports</i> , 2017 , 7, 41422	4.9	10
145	New diterpene alkaloids from the marine sponge <i>Agelas mauritiana</i> . <i>RSC Advances</i> , 2017 , 7, 23970-23976	5.7	13
144	Polysaccharide and phlorotannin-enriched extracts of the brown seaweed <i>Ecklonia radiata</i> influence human gut microbiota and fermentation in vitro. <i>Journal of Applied Phycology</i> , 2017 , 29, 2407-2416	3.2	31
143	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
142	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
141	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
140	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
139	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
138	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
137	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
136	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. <i>Advanced Energy Materials</i> , 2016 , 6, 1600148	21.8	80
135	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

134	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
133	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
132	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
131	Dysiherbols A-C and Dysideanone E, Cytotoxic and NF- κ B Inhibitory Tetracyclic Meroterpenes from a <i>Dysidea</i> sp. Marine Sponge. <i>Journal of Natural Products</i> , 2016 , 79, 406-11	4.9	34
130	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
129	Neuroprotective Activities of Marine Natural Products from Marine Sponges. <i>Current Medicinal Chemistry</i> , 2016 , 23, 360-82	4.3	15
128	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
127	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
126	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
125	Antifungal bromopyrrole alkaloids from the South China Sea sponge <i>Agelas</i> sp.. <i>Tetrahedron</i> , 2016 , 72, 2964-2971	2.4	22
124	The role of sponge-bacteria interactions: the sponge <i>Aplysilla rosea</i> challenged by its associated bacterium <i>Streptomyces</i> ACT-52A in a controlled aquarium system. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 10609-10626	5.7	11
123	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
122	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
121	Neuroprotective activities of natural products from marine macroalgae during 1999-2015. <i>Journal of Applied Phycology</i> , 2016 , 28, 3599-3616	3.2	34
120	Protein hydrolysates produced from rock lobster (<i>Jasus</i>) Head: emulsifying capacity and food safety. <i>Food Science and Nutrition</i> , 2016 , 4, 869-877	3.2	8
119	Branched artificial nanofinger arrays by mesoporous interfacial atomic rearrangement. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4260-6	16.4	29
118	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
117	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

116	Interfacial assembly of mesoporous nanopyramids as ultrasensitive cellular interfaces featuring efficient direct electrochemistry. <i>NPG Asia Materials</i> , 2015 , 7, e204-e204	10.3	12
115	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
114	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
113	Secondary metabolites from microorganisms isolated from marine sponges from 2000 to 2012 2015 , 279-316		
112	Bioactive sesquiterpene quinols and quinones from the marine sponge <i>Dysidea avara</i> . <i>RSC Advances</i> , 2015 , 5, 87730-87738	3.7	9
111	Advances in Microalgae-Derived Phytosterols for Functional Food and Pharmaceutical Applications. <i>Marine Drugs</i> , 2015 , 13, 4231-54	6	121
110	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
109	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
108	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
107	Treatment strategies for high resveratrol induction in <i>L.</i> cell suspension culture. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014 , 1-2, 15-21	5.3	37
106	Structure elucidation of five novel isomeric saponins from the viscera of the sea cucumber <i>Holothuria lessoni</i> . <i>Marine Drugs</i> , 2014 , 12, 4439-73	6	34
105	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
104	Discovery of novel saponins from the viscera of the sea cucumber <i>Holothuria lessoni</i> . <i>Marine Drugs</i> , 2014 , 12, 2633-67	6	46
103	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
102	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
101	Functions, applications and production of protein hydrolysates from fish processing co-products (FPCP). <i>Food Research International</i> , 2013 , 50, 289-297	7	125
100	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
99	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

98	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
97	Chiral self-assembly of designed amphiphiles: influences on aggregate morphology. <i>Langmuir</i> , 2013 , 29, 10001-10	4	16
96	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
95	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
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	Chiral self-assembly of designed amphiphiles: optimization for nanotube formation. <i>Langmuir</i> , 2012 , 28, 14172-9	4	15
92	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
91	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
90	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
89	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
88	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
87	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
86	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
85	Deoxyuridines from the marine sponge associated actinomycete <i>Streptomyces microflavus</i> . <i>Marine Drugs</i> , 2011 , 9, 690-5	6	22
84	Microbial and Plant Cell Synthesis of Secondary Metabolites and Strain Improvement 2011 , 101-135		1
83	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
82	Efficient purification with high recovery of vanadium bromoperoxidase from <i>Corallina officinalis</i> . <i>Biotechnology Letters</i> , 2011 , 33, 545-8	3	3
81	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

80	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
79	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
78	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
77	Phylogenetic diversity of Gram-positive bacteria cultured from Antarctic deep-sea sponges. <i>Polar Biology</i> , 2011 , 34, 1501-1512	2	18
76	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
75	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
74	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
73	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
72	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
71	Abietane diterpenoids synthesized by suspension-cultured cells of <i>Cephalotaxus fortunei</i> . <i>Phytochemistry Letters</i> , 2011 , 4, 52-55	1.9	10
70	Experimental silicon demand by the sponge <i>Hymeniacidon perlevis</i> reveals chronic limitation in field populations 2011 , 251-257		
69	Characterization of anthocyanic vacuolar inclusions in <i>Vitis vinifera</i> L. cell suspension cultures. <i>Planta</i> , 2010 , 231, 1343-60	4.7	47
68	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
67	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
66	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
65	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
64	Effects of Calcium and Vanadium Ions on the Epoxidation of Cyclohexene with H ₂ O ₂ Catalyzed by Vanadium Bromoperoxidase. <i>Chinese Journal of Catalysis</i> , 2010 , 31, 1293-1299	11.3	
63	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

62	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
61	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
60	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	
59	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	
58	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	
57	Experimental studies of the role of different cell types in morphogenesis in marine sponge <i>Hymeniacidon perleve</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S110	3.7	
56	Molecular plant cell bioprocessing: Manipulation and characterisation of post-biosynthetic pathway towards hyperproduction of secondary metabolites. <i>Journal of Biotechnology</i> , 2008 , 136, S148-S149	3.7	
55	Biotechnological potential of the marine invertebrates associated microbes and its diversity. <i>Journal of Biotechnology</i> , 2008 , 136, S615	3.7	
54	Culture-independent diversity of actinobacteria associated with two marine sponges <i>Hymeniacidon perlevis</i> and <i>Sponge sp.</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S615	3.7	
53	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
52	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
51	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
50	Preliminary purification of an iron hydrogenase from marine green alga <i>Platymonas subcordiformis</i> . <i>Journal of Biotechnology</i> , 2008 , 136, S566	3.7	
49	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
48	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
47	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
46	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
45	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

44	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
43	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
42	Comparison of spiculogenesis in in vitro ADCP-primmorph and explants culture of marine sponge <i>Hymeniacidon perleve</i> with 3-TMOSPU supplementation. <i>Biotechnology Progress</i> , 2007 , 23, 707-14	2.8	4
41	Efficient bioremediation of total organic carbon (TOC) in integrated aquaculture system by marine sponge <i>Hymeniacidon perleve</i> . <i>Biotechnology and Bioengineering</i> , 2007 , 97, 1387-97	4.9	20
40	Purification and in vitro cultivation of archaeocytes (stem cells) of the marine sponge <i>Hymeniacidon perleve</i> (Demospongiae). <i>Cell and Tissue Research</i> , 2007 , 328, 223-37	4.2	31
39	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
38	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
37	<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
36	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
35	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
34	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
33	Culturable actinobacteria from the marine sponge <i>Hymeniacidon perleve</i> : isolation and phylogenetic diversity by 16S rRNA gene-RFLP analysis. <i>Antonie Van Leeuwenhoek</i> , 2006 , 90, 159-69	2.1	119
32	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
31	Cloning and structure analysis of hydrogenase gene from <i>Chlamydomonas reinhardtii</i> SE. <i>Process Biochemistry</i> , 2005 , 40, 2968-2972	4.8	6
30	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
29	Cultivation of marine sponges. <i>Chinese Journal of Oceanology and Limnology</i> , 2005 , 23, 194-198		6
28	Instability of anthocyanin accumulation in <i>Vitis vinifera</i> L. var. Gamay Fräux suspension cultures. <i>Biotechnology and Bioprocess Engineering</i> , 2005 , 10, 155-161	3.1	21
27	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

26	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
25	Anthocyanins-More Than Nature's Colours. <i>Journal of Biomedicine and Biotechnology</i> , 2004 , 2004, 239-240		200
24	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
23	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
22	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
21	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
20	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
19	Primmorphs from archaeocytes-dominant cell population of the sponge <i>hymeniacidon perleve</i> : improved cell proliferation and spiculogenesis. <i>Biotechnology and Bioengineering</i> , 2003 , 84, 583-90	4.9	32
18	Biopotentials of marine sponges from China oceans: past and future. <i>New Biotechnology</i> , 2003 , 20, 413-9		19
17	Attachment of marine sponge cells of <i>Hymeniacidon perleve</i> on microcarriers. <i>Biotechnology Progress</i> , 2003 , 19, 1569-73	2.8	8
16	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
15	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
14	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
13	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
12	On the evaluation of diffusivities in gels using the diffusion cell technique. <i>Biochemical Engineering Journal</i> , 2001 , 9, 73-82	4.2	18
11	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
10	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
9	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

8	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
7	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
6	Production of anthocyanins by plant cell cultures. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 231-252	3.1	41
5	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
4	Anthocyanin synthesis, growth and nutrient uptake in suspension cultures of strawberry cells. <i>Journal of Bioscience and Bioengineering</i> , 1998 , 86, 72-78		17
3	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
2	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
1	Macroalgal Value Chain. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 22-109.4		