

# Colin J Barrow

## List of Publications by Citations

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323  
papers

13,179  
citations

59  
h-index

100  
g-index

334  
ext. papers

15,264  
ext. citations

5.9  
avg, IF

6.9  
L-index

#	Paper	IF	Citations
323	Solution conformations and aggregational properties of synthetic amyloid beta-peptides of Alzheimer's disease. Analysis of circular dichroism spectra. <i>Journal of Molecular Biology</i> , <b>1992</b> , 225, 1075-93	6.5	581
322	Alzheimer's disease amyloid-beta binds copper and zinc to generate an allosterically ordered membrane-penetrating structure containing superoxide dismutase-like subunits. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 20466-73	5.4	530
321	Enzyme-assisted extraction of bioactives from plants. <i>Trends in Biotechnology</i> , <b>2012</b> , 30, 37-44	15.1	464
320	A Simple 96-Well Microplate Method for Estimation of Total Polyphenol Content in Seaweeds. <i>Journal of Applied Phycology</i> , <b>2006</b> , 18, 445-450	3.2	238
319	A Review on the Assessment of Stress Conditions for Simultaneous Production of Microalgal Lipids and Carotenoids. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 546	5.7	237
318	Nanobiotechnology as a novel paradigm for enzyme immobilisation and stabilisation with potential applications in biodiesel production. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 23-39	5.7	208
317	The A beta 3-pyroglutanyl and 11-pyroglutanyl peptides found in senile plaque have greater beta-sheet forming and aggregation propensities in vitro than full-length A beta. <i>Biochemistry</i> , <b>1999</b> , 38, 10871-7	3.2	184
316	Homocysteine potentiates copper- and amyloid beta peptide-mediated toxicity in primary neuronal cultures: possible risk factors in the Alzheimer's-type neurodegenerative pathways. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 1509-20	6	183
315	Complex coacervation: Principles, mechanisms and applications in microencapsulation. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 121, 1276-1286	7.9	182
314	Isolation and characterization of polyunsaturated fatty acid producing <i>Thraustochytrium</i> species: screening of strains and optimization of omega-3 production. <i>Applied Microbiology and Biotechnology</i> , <b>2006</b> , 72, 1161-9	5.7	177
313	Molecularly engineered graphene surfaces for sensing applications: A review. <i>Analytica Chimica Acta</i> , <b>2015</b> , 859, 1-19	6.6	169
312	Suitability of magnetic nanoparticle immobilised cellulases in enhancing enzymatic saccharification of pretreated hemp biomass. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 90	7.8	169
311	Immobilization of Eglucosidase on a magnetic nanoparticle improves thermostability: application in cellobiose hydrolysis. <i>Bioresource Technology</i> , <b>2013</b> , 135, 2-6	11	165
310	Surface behavior and lipid interaction of Alzheimer beta-amyloid peptide 1-42: a membrane-disrupting peptide. <i>Biophysical Journal</i> , <b>2005</b> , 88, 2706-13	2.9	158
309	Neurotoxic, redox-competent Alzheimer's beta-amyloid is released from lipid membrane by methionine oxidation. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 42959-65	5.4	156
308	Microencapsulation of omega-3 fatty acids: A review of microencapsulation and characterization methods. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 868-881	5.1	153
307	MOF derived Ni-Co-S nanosheets on electrochemically activated carbon cloth via an etching/ion exchange method for wearable hybrid supercapacitors. <i>Chemical Engineering Journal</i> , <b>2019</b> , 371, 461-469	14.7	145

306	The hydrophobic core sequence modulates the neurotoxic and secondary structure properties of the prion peptide 106-126. <i>Journal of Neurochemistry</i> , <b>1999</b> , 73, 1557-65	6	140
305	Recent trends in nanomaterials immobilised enzymes for biofuel production. <i>Critical Reviews in Biotechnology</i> , <b>2016</b> , 36, 108-19	9.4	136
304	New Gold Nanostructures for Sensor Applications: A Review. <i>Materials</i> , <b>2014</b> , 7, 5169-5201	3.5	133
303	Optimisation of the microencapsulation of tuna oil in gelatin-sodium hexametaphosphate using complex coacervation. <i>Food Chemistry</i> , <b>2014</b> , 158, 358-65	8.5	132
302	Omega-3 biotechnology: Thraustochytrids as a novel source of omega-3 oils. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 1733-45	17.8	132
301	Enzyme immobilisation on amino-functionalised multi-walled carbon nanotubes: structural and biocatalytic characterisation. <i>PLoS ONE</i> , <b>2013</b> , 8, e73642	3.7	124
300	A review of the progress in enzymatic concentration and microencapsulation of omega-3 rich oil from fish and microbial sources. <i>Food Chemistry</i> , <b>2012</b> , 131, 639-644	8.5	115
299	Complex coacervation with whey protein isolate and gum arabic for the microencapsulation of omega-3 rich tuna oil. <i>Food and Function</i> , <b>2014</b> , 5, 2743-50	6.1	111
298	Preparation, characterization and functional properties of flax seed protein isolate. <i>Food Chemistry</i> , <b>2016</b> , 197, 212-20	8.5	110
297	Comparison of Cell Disruption Methods for Improving Lipid Extraction from Thraustochytrid Strains. <i>Marine Drugs</i> , <b>2015</b> , 13, 5111-27	6	107
296	Co-encapsulation and characterisation of omega-3 fatty acids and probiotic bacteria in whey protein isolate-gum Arabic complex coacervates. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 882-892	5.1	104
295	Opening Lids: Modulation of Lipase Immobilization by Graphene Oxides. <i>ACS Catalysis</i> , <b>2016</b> , 6, 4760-4768	6.1	103
294	Interfacial and emulsifying properties of lentil protein isolate. <i>Food Chemistry</i> , <b>2012</b> , 134, 1343-53	8.5	103
293	Microencapsulation of chia seed oil using chia seed protein isolate-chia seed gum complex coacervates. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 347-57	7.9	101
292	Microbial Pigments in the Food Industry-Challenges and the Way Forward. <i>Frontiers in Nutrition</i> , <b>2019</b> , 6, 7	6.2	99
291	Peptide thioester preparation by Fmoc solid phase peptide synthesis for use in native chemical ligation. <i>Journal of Peptide Science</i> , <b>2000</b> , 6, 225-34	2.1	99
290	Bioequivalence of encapsulated and microencapsulated fish-oil supplementation. <i>Journal of Functional Foods</i> , <b>2009</b> , 1, 38-43	5.1	95
289	Progress on Based Biopesticides in Replacing Synthetic Toxic Pesticides. <i>Frontiers in Plant Science</i> , <b>2017</b> , 8, 610	6.2	94

288	Biofuel production: Prospects, challenges and feedstock in Australia. <i>Renewable and Sustainable Energy Reviews</i> , <b>2012</b> , 16, 6022-6031	16.2	94
287	Immobilization of $\beta$ -galactosidase from <i>Kluyveromyces lactis</i> on functionalized silicon dioxide nanoparticles: characterization and lactose hydrolysis. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 50, 432-7	7.9	90
286	Spiroquinazoline, a novel substance P inhibitor with a new carbon skeleton, isolated from <i>Aspergillus flavipes</i> . <i>Journal of Natural Products</i> , <b>1994</b> , 57, 471-6	4.9	88
285	WIN 64821, a new competitive antagonist to substance P, isolated from an <i>Aspergillus</i> species: structure determination and solution conformation. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 6016-6021	4.2	86
284	Physicochemical and functional properties of protein isolate produced from Australian chia seeds. <i>Food Chemistry</i> , <b>2016</b> , 212, 648-56	8.5	85
283	The amyloid-beta peptide and its role in Alzheimer's disease. <i>Journal of Peptide Science</i> , <b>2001</b> , 7, 227-49	2.1	83
282	Cholesterol is necessary both for the toxic effect of A $\beta$ peptides on vascular smooth muscle cells and for A $\beta$ binding to vascular smooth muscle cell membranes. <i>Journal of Neurochemistry</i> , <b>2003</b> , 84, 471-9	6	82
281	Improved preparation of amyloid-beta peptides using DBU as N $\alpha$ -Fmoc deprotection reagent. <i>Journal of Peptide Science</i> , <b>2001</b> , 7, 488-94	2.1	80
280	Antidiabetic properties of polysaccharide- and polyphenolic-enriched fractions from the brown seaweed <i>Ascophyllum nodosum</i> . <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2007</b> , 85, 1116-23	2.4	78
279	Nonribosomal Peptides from Marine Microbes and Their Antimicrobial and Anticancer Potential. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 828	5.6	77
278	Optimisation of novel method for the extraction of steviosides from <i>Stevia rebaudiana</i> leaves. <i>Food Chemistry</i> , <b>2012</b> , 132, 1113-1120	8.5	76
277	Enzyme immobilization on nanomaterials for biofuel production. <i>Trends in Biotechnology</i> , <b>2013</b> , 31, 215-6	5.1	75
276	Stabilization of highly unsaturated fatty acids and delivery into foods. <i>Lipid Technology</i> , <b>2007</b> , 19, 108-111		73
275	Zn-Ni-Co trimetallic carbonate hydroxide nanothorns branched on Cu(OH) <sub>2</sub> nanorods array based on Cu foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 437, 2268-97	8.9	71
274	Self-assembly of core-satellite gold nanoparticles for colorimetric detection of copper ions. <i>Analytica Chimica Acta</i> , <b>2013</b> , 803, 128-34	6.6	71
273	Selective concentration of EPA and DHA using <i>Thermomyces lanuginosus</i> lipase is due to fatty acid selectivity and not regioselectivity. <i>Food Chemistry</i> , <b>2013</b> , 138, 615-20	8.5	71
272	Evaluation of fatty acid extraction methods for <i>Thraustochytrium</i> sp. ONC-T18. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 4795-801	5.7	69
271	Recent advances in the microencapsulation of omega-3 oil and probiotic bacteria through complex coacervation: A review. <i>Trends in Food Science and Technology</i> , <b>2018</b> , 71, 121-131	15.3	66

270	Quantitative determination of fatty acid compositions in micro-encapsulated fish-oil supplements using Fourier transform infrared (FTIR) spectroscopy. <i>Food Chemistry</i> , <b>2012</b> , 135, 603-9	8.5	65
269	Mechanical properties of graphene films enhanced by homo-telechelic functionalized polymer fillers via $\pi$ -stacking interactions. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 71, 1-8	8.4	64
268	Sublethal concentrations of prion peptide PrP106-126 or the amyloid beta peptide of Alzheimer's disease activates expression of proapoptotic markers in primary cortical neurons. <i>Neurobiology of Disease</i> , <b>2001</b> , 8, 299-316	7.5	63
267	Preparation of graphene/polymer composites by direct exfoliation of graphite in functionalised block copolymer matrix. <i>Carbon</i> , <b>2013</b> , 51, 148-155	10.4	62
266	Characterization of a new zeaxanthin producing strain of <i>Chlorella saccharophila</i> isolated from New Zealand marine waters. <i>Bioresource Technology</i> , <b>2013</b> , 143, 308-14	11	61
265	Benzomalvins, new substance P inhibitors from a <i>Penicillium</i> sp. <i>Journal of Antibiotics</i> , <b>1994</b> , 47, 515-22	3.7	59
264	Advances in the use of acidic potassium permanganate as a chemiluminescence reagent: a review. <i>Analytica Chimica Acta</i> , <b>2014</b> , 807, 9-28	6.6	58
263	RAFT controlled synthesis of graphene/polymer hydrogel with enhanced mechanical property for pH-controlled drug release. <i>European Polymer Journal</i> , <b>2014</b> , 50, 9-17	5.2	58
262	Structure inducing ionic liquids-enhancement of alpha helicity in the A $\beta$ (1-40) peptide from Alzheimer's disease. <i>Chemical Communications</i> , <b>2011</b> , 47, 6371-3	5.8	56
261	Formulation and characterization of O/W nanoemulsions encapsulating high concentration of astaxanthin. <i>Food Research International</i> , <b>2017</b> , 102, 364-371	7	55
260	Formulation and characterization of astaxanthin-enriched nanoemulsions stabilized using ginseng saponins as natural emulsifiers. <i>Food Chemistry</i> , <b>2018</b> , 255, 67-74	8.5	55
259	Complex coacervation between flaxseed protein isolate and flaxseed gum. <i>Food Research International</i> , <b>2015</b> , 72, 91-97	7	54
258	Immunostimulatory polysaccharides from <i>Chlorella pyrenoidosa</i> . A new galactofuranan. measurement of molecular weight and molecular weight dispersion by DOSY NMR. <i>Biomacromolecules</i> , <b>2006</b> , 7, 2368-76	6.9	54
257	Microencapsulation of flaxseed oil in flaxseed protein and flaxseed gum complex coacervates. <i>Food Research International</i> , <b>2016</b> , 86, 1-8	7	54
256	Fabrication of Cobaltic Oxide Nanoparticle-Doped 3 D MXene/Graphene Hybrid Porous Aerogels for All-Solid-State Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 5547-5554	4.8	53
255	Effect of extraction temperature on composition, structure and functional properties of flaxseed gum. <i>Food Chemistry</i> , <b>2017</b> , 215, 333-40	8.5	53
254	Isolation, characterization and structural determination of a unique type of arabinogalactan from an immunostimulatory extract of <i>Chlorella pyrenoidosa</i> . <i>Carbohydrate Research</i> , <b>2005</b> , 340, 1489-98	2.9	53
253	Screening and Characterization of Phenolic Compounds and Their Antioxidant Capacity in Different Fruit Peels. <i>Foods</i> , <b>2020</b> , 9,	4.9	53

252	In-vitro digestion of probiotic bacteria and omega-3 oil co-microencapsulated in whey protein isolate-gum Arabic complex coacervates. <i>Food Chemistry</i> , <b>2017</b> , 227, 129-136	8.5	50
251	The isolation and identification of new microalgal strains producing oil and carotenoid simultaneously with biofuel potential. <i>Bioresource Technology</i> , <b>2016</b> , 211, 556-65	11	50
250	Transesterification of Fish Oil to Produce Fatty Acid Ethyl Esters Using Ultrasonic Energy. <i>JAOCs, Journal of the American Oil Chemists Society</i> , <b>2007</b> , 84, 1045-1052	1.8	50
249	Graphene nanodots-encaged porous gold electrode fabricated via ion beam sputtering deposition for electrochemical analysis of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 592-600	8.5	49
248	FTIR microspectroscopy for rapid screening and monitoring of polyunsaturated fatty acid production in commercially valuable marine yeasts and protists. <i>Analyst, The</i> , <b>2013</b> , 138, 6016-31	5	49
247	Metal catalyzed oxidation of tyrosine residues by different oxidation systems of copper/hydrogen peroxide. <i>Journal of Inorganic Biochemistry</i> , <b>2004</b> , 98, 173-84	4.2	49
246	Amyloidogenicity and neurotoxicity of peptides corresponding to the helical regions of PrP(C). <i>Journal of Neuroscience Research</i> , <b>2000</b> , 62, 293-301	4.4	49
245	Exploring potential use of Australian thraustochytrids for the bioconversion of glycerol to omega-3 and carotenoids production. <i>Biochemical Engineering Journal</i> , <b>2013</b> , 78, 11-17	4.2	48
244	Exploring novel ultrafine Eri silk bioscaffold for enzyme stabilisation in cellobiose hydrolysis. <i>Bioresource Technology</i> , <b>2013</b> , 145, 302-6	11	48
243	Graphene modified gold electrode via $\pi$ -stacking interaction for analysis of Cu <sup>2+</sup> and Pb <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 178, 426-433	8.5	48
242	The impact of ionic liquids on amyloid fibrilization of A $\beta$ 16-22: tuning the rate of fibrilization using a reverse Hofmeister strategy. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 16534-6	3.6	47
241	Cucurbitacins, cell adhesion inhibitors from <i>Conococca scoparioides</i> . <i>Journal of Natural Products</i> , <b>1994</b> , 57, 1498-502	4.9	47
240	Tuning the mechanical and morphological properties of self-assembled peptide hydrogels via control over the gelation mechanism through regulation of ionic strength and the rate of pH change. <i>RSC Advances</i> , <b>2015</b> , 5, 301-307	3.7	46
239	Electrochemical synthesis of fractal bimetallic Cu/Ag nanodendrites for efficient surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , <b>2016</b> , 52, 10968-71	5.8	46
238	Pancreatic lipase selectively hydrolyses DPA over EPA and DHA due to location of double bonds in the fatty acid rather than regioselectivity. <i>Food Chemistry</i> , <b>2014</b> , 160, 61-6	8.5	46
237	Jumping on the omega-3 bandwagon: distinguishing the role of long-chain and short-chain omega-3 fatty acids. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2012</b> , 52, 795-803	11.5	46
236	Variabilin and Related Compounds from a Sponge of the Genus <i>Sarcotragus</i> . <i>Journal of Natural Products</i> , <b>1988</b> , 51, 275-281	4.9	46
235	A biomimetic sensor for the detection of lead in water. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 67, 621-4	11.8	45



234	Facile synthesis of graphene oxide hybrids bridged by copper ions for increased conductivity. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 3084	7.1	44
233	Chemiluminescence and electrochemiluminescence detection of controlled drugs. <i>Drug Testing and Analysis</i> , <b>2011</b> , 3, 145-60	3.5	44
232	Critical assessment of various techniques for the extraction of carotenoids and co-enzyme Q10 from the <i>Thraustochytrid</i> strain ONC-T18. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 9752-8	5.7	43
231	Substrate-bound beta-amyloid peptides inhibit cell adhesion and neurite outgrowth in primary neuronal cultures. <i>Journal of Neurochemistry</i> , <b>2000</b> , 74, 1122-30	6	43
230	A quick colorimetric method for total lipid quantification in microalgae. <i>Journal of Microbiological Methods</i> , <b>2016</b> , 125, 28-32	2.8	43
229	Cellulosic ethanol production via consolidated bioprocessing by a novel thermophilic anaerobic bacterium isolated from a Himalayan hot spring. <i>Biotechnology for Biofuels</i> , <b>2017</b> , 10, 73	7.8	42
228	Protein conformational misfolding and amyloid formation: characteristics of a new class of disorders that include Alzheimer's and Prion diseases. <i>Current Medicinal Chemistry</i> , <b>2002</b> , 9, 1751-62	4.3	42
227	Homogeneous nickel metal-organic framework microspheres on reduced graphene oxide as novel electrode material for supercapacitors with outstanding performance. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 561, 265-274	9.3	42
226	Digestion behaviour of chia seed oil encapsulated in chia seed protein-gum complex coacervates. <i>Food Hydrocolloids</i> , <b>2017</b> , 66, 71-81	10.6	40
225	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 304-311	4.8	40
224	Ultrasensitive enzyme-free electrochemical immunosensor for microcystin-LR using molybdenum disulfide/gold nanoclusters nanocomposites as platform and Au@Pt core-shell nanoparticles as signal enhancer. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 400-407	8.5	40
223	Rapid Discrimination and Determination of Polyunsaturated Fatty Acid Composition in Marine Oils by FTIR Spectroscopy and Multivariate Data Analysis. <i>Food and Bioprocess Technology</i> , <b>2014</b> , 7, 2410-2422	5.1	40
222	Relating the variation of secondary structure of gelatin at fish oil-water interface to adsorption kinetics, dynamic interfacial tension and emulsion stability. <i>Food Chemistry</i> , <b>2014</b> , 143, 484-91	8.5	40
221	Structural characterisation and bioactivities of hybrid carrageenan-like sulphated galactan from red alga <i>Furcellaria lumbricalis</i> . <i>Food Chemistry</i> , <b>2011</b> , 124, 50-57	8.5	40
220	In situ generation of CoS <sub>1.097</sub> nanoparticles on S/N co-doped graphene/carbonized foam for mechanically tough and flexible all solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 11966-11977	13	40
219	Microencapsulation of tuna oil fortified with the multiple lipophilic ingredients vitamins A, D3, E, K2, curcumin and coenzyme Q10. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 893-901	5.1	39
218	First isolation and structural determination of cyclic beta-(1->2)-glucans from an alga, <i>Chlorella pyrenoidosa</i> . <i>Carbohydrate Research</i> , <b>2008</b> , 343, 2623-33	2.9	39
217	Self-Assembled Core-Satellite Gold Nanoparticle Networks for Ultrasensitive Detection of Chiral Molecules by Recognition Tunneling Current. <i>ACS Nano</i> , <b>2016</b> , 10, 5096-103	16.7	39

216	Marine fungi: An untapped bioresource for future cosmeceuticals. <i>Phytochemistry Letters</i> , <b>2018</b> , 23, 15-20	20.9	38
215	Pollen baiting facilitates the isolation of marine thraustochytrids with potential in omega-3 and biodiesel production. <i>Journal of Industrial Microbiology and Biotechnology</i> , <b>2013</b> , 40, 1231-40	4.2	37
214	In vitro response to functionalized self-assembled peptide scaffolds for three-dimensional cell culture. <i>Biopolymers</i> , <b>2014</b> , 102, 197-205	2.2	36
213	Antimycins, inhibitors of ATP-citrate lyase, from a <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , <b>1997</b> , 50, 729-33	3.7	36
212	Enhanced cellulosic ethanol production via consolidated bioprocessing by <i>Clostridium thermocellum</i> ATCC 31924?. <i>Bioresource Technology</i> , <b>2018</b> , 250, 860-867	11	36
211	Glycosides as natural emulsifiers for oil-in-water nanoemulsions loaded with astaxanthin: Insights of formulation, stability and release properties. <i>Food Chemistry</i> , <b>2018</b> , 261, 322-328	8.5	35
210	Familial prion disease mutation alters the secondary structure of recombinant mouse prion protein: implications for the mechanism of prion formation. <i>Biochemistry</i> , <b>1999</b> , 38, 3280-4	3.2	34
209	Benzomalvin D, a New 1,4-Benzodiazepine Atropisomer. <i>Journal of Natural Products</i> , <b>1995</b> , 58, 1575-1580	4.9	34
208	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. III. Biosynthetic analogs. <i>Journal of Antibiotics</i> , <b>1994</b> , 47, 411-9	3.7	34
207	Comparative study of denaturation of whey protein isolate (WPI) in convective air drying and isothermal heat treatment processes. <i>Food Chemistry</i> , <b>2013</b> , 141, 702-11	8.5	33
206	Copper and Zinc Mediated Oligomerisation of AIPeptides. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2006</b> , 12, 153-164	2.1	33
205	Potent new cell adhesion inhibitory compounds from the root of <i>Trichilia rubra</i> . <i>Tetrahedron</i> , <b>1994</b> , 50, 11369-11378	2.4	33
204	Facile construction of MgCo <sub>2</sub> O <sub>4</sub> @CoFe layered double hydroxide core-shell nanocomposites on nickel foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 484, 229288	8.8	33
203	LC-ESI-QTOF-MS/MS Characterization of Seaweed Phenolics and Their Antioxidant Potential. <i>Marine Drugs</i> , <b>2020</b> , 18,	6	32
202	Controlling enzyme function through immobilisation on graphene, graphene derivatives and other two dimensional nanomaterials. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 3200-3218	7.3	32
201	Coassembled nanostructured bioscaffold reduces the expression of proinflammatory cytokines to induce apoptosis in epithelial cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2016</b> , 12, 1397-407	6	32
200	Bead milling for lipid recovery from thraustochytrid cells and selective hydrolysis of Schizochytrium DT3 oil using lipase. <i>Bioresource Technology</i> , <b>2016</b> , 200, 464-9	11	32
199	Autooxidation Studies on the Marine Sesterterpene Tetric Acid, Variabilin. <i>Journal of Natural Products</i> , <b>1989</b> , 52, 346-359	4.9	31



198	Candida antarctica lipase A effectively concentrates DHA from fish and thraustochytrid oils. <i>Food Chemistry</i> , <b>2017</b> , 229, 509-516	8.5	30
197	Exploring omega-3 fatty acids, enzymes and biodiesel producing thraustochytrids from Australian and Indian marine biodiversity. <i>Biotechnology Journal</i> , <b>2016</b> , 11, 345-55	5.6	30
196	Toxicity of substrate-bound amyloid peptides on vascular smooth muscle cells is enhanced by homocysteine. <i>FEBS Journal</i> , <b>2002</b> , 269, 3014-22		30
195	Improving the rate capability of ultrathin NiCo-LDH nanoflakes and FeOOH nanosheets on surface electrochemically modified graphite fibers for flexible asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 560, 237-246	9.3	30
194	Probing the tunable surface chemistry of graphene oxide. <i>Chemical Communications</i> , <b>2015</b> , 51, 10969-725.8		29
193	Omega-3 fatty acid production from enzyme saccharified hemp hydrolysate using a novel marine thraustochytrid strain. <i>Bioresource Technology</i> , <b>2015</b> , 184, 373-378	11	29
192	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. I. Fermentation and isolation. <i>Journal of Antibiotics</i> , <b>1994</b> , 47, 391-8	3.7	29
191	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. II. Biological activity. <i>Journal of Antibiotics</i> , <b>1994</b> , 47, 399-410	3.7	29
190	Formulation and characterization of monodisperse O/W emulsions encapsulating astaxanthin extracts using microchannel emulsification: Insights of formulation and stability evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 157, 355-365	6	28
189	Protein electrochemistry using graphene-based nano-assembly: an ultrasensitive electrochemical detection of protein molecules via nanoparticle-electrode collisions. <i>Chemical Communications</i> , <b>2014</b> , 50, 8197-200	5.8	28
188	Diverse fibrillar peptides directly bind the Alzheimer's amyloid precursor protein and amyloid precursor-like protein 2 resulting in cellular accumulation. <i>Brain Research</i> , <b>2003</b> , 966, 231-44	3.7	28
187	Structure-activity studies of the natural product substance P antagonist win 64821. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1995</b> , 5, 377-380	2.9	28
186	1'-(2-Phenyl-ethylene)-ditryptophenaline, a new dimeric diketopiperazine from <i>Aspergillus flavus</i> . <i>Journal of Natural Products</i> , <b>1994</b> , 57, 1239-44	4.9	27
185	Screening of Phenolic Compounds in Australian Grown Berries by LC-ESI-QTOF-MS/MS and Determination of Their Antioxidant Potential. <i>Antioxidants</i> , <b>2020</b> , 10,	7.1	27
184	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. <i>ACS Nano</i> , <b>2019</b> , 13, 1394-1402	16.7	27
183	Recent Advancement of Biosensor Technology for the Detection of Microcystin-LR. <i>Bulletin of the Chemical Society of Japan</i> , <b>2020</b> , 93, 637-646	5.1	26
182	Bio-conjugation of antioxidant peptide on surface-modified gold nanoparticles: a novel approach to enhance the radical scavenging property in cancer cell. <i>Cancer Nanotechnology</i> , <b>2016</b> , 7, 1	7.9	26
181	Rapid Determination of Protein Contents in Microencapsulated Fish Oil Supplements by ATR-FTIR Spectroscopy and Partial Least Square Regression (PLSR) Analysis. <i>Food and Bioprocess Technology</i> , <b>2014</b> , 7, 265-277	5.1	26

180	Molecular identification of marine yeast and its spectroscopic analysis establishes unsaturated fatty acid accumulation. <i>Journal of Bioscience and Bioengineering</i> , <b>2012</b> , 114, 411-7	3.3	26
179	Investigation of oil distribution in spray-dried chia seed oil microcapsules using synchrotron-FTIR microspectroscopy. <i>Food Chemistry</i> , <b>2019</b> , 275, 457-466	8.5	26
178	Preparation and characterization of the hydrogen storage activated carbon from coffee shell by microwave irradiation and KOH activation. <i>International Biodeterioration and Biodegradation</i> , <b>2016</b> , 113, 386-390	4.8	25
177	Lipase-Produced Hydroxytyrosyl Eicosapentaenoate is an Excellent Antioxidant for the Stabilization of Omega-3 Bulk Oils, Emulsions and Microcapsules. <i>Molecules</i> , <b>2018</b> , 23,	4.8	25
176	Non-covalent surface modification of boron nitride nanotubes for enhanced catalysis. <i>Chemical Communications</i> , <b>2014</b> , 50, 225-7	5.8	25
175	Evaluation of bread crumbs as a potential carbon source for the growth of thraustochytrid species for oil and omega-3 production. <i>Nutrients</i> , <b>2014</b> , 6, 2104-14	6.7	25
174	Phase transition of poly(N-isopropylacrylamide) in aqueous protic ionic liquids: kosmotropic versus chaotropic anions and their interaction with water. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 8430-5	3.4	25
173	Electrochemical Evidences of Chiral Molecule Recognition Using L/D-Cysteine Modified Gold Electrodes. <i>Electrochimica Acta</i> , <b>2017</b> , 237, 22-28	6.7	24
172	Lipase-catalysed incorporation of EPA into emu oil: Formation and characterisation of new structured lipids. <i>Journal of Functional Foods</i> , <b>2015</b> , 19, 801-809	5.1	24
171	Graphene quantum dots directly generated from graphite via magnetron sputtering and the application in thin-film transistors. <i>Carbon</i> , <b>2015</b> , 88, 225-232	10.4	23
170	Preparation and study of digestion behavior of lactoferrin-sodium alginate complex coacervates. <i>Journal of Functional Foods</i> , <b>2017</b> , 37, 97-106	5.1	23
169	Process monitoring of fibre reinforced composites using a multi-measurand fibre-optic sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 212, 93-106	8.5	23
168	Optimization of zeaxanthin and $\beta$ -carotene extraction from <i>Chlorella saccharophila</i> isolated from New Zealand marine waters. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2015</b> , 4, 166-173	4.2	23
167	Controlled formation of mono- and dihydroxy-resolvins from EPA and DHA using soybean 15-lipoxygenase. <i>Journal of Lipid Research</i> , <b>2013</b> , 54, 1439-47	6.3	23
166	Citrus peel influences the production of an extracellular naringinase by <i>Staphylococcus xylosum</i> MAK2 in a stirred tank reactor. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 89, 715-22	5.7	23
165	Production of Omega-3 Triacylglycerol Concentrates using a New Food Grade Immobilized <i>Candida antarctica</i> Lipase B. <i>Australian Journal of Chemistry</i> , <b>2010</b> , 63, 922	1.2	23
164	Acetylcholinesterase is increased in mouse neuronal and astrocyte cultures after treatment with beta-amyloid peptides. <i>Brain Research</i> , <b>2003</b> , 965, 283-6	3.7	23
163	Bisphenol A removal on TiO <sub>2</sub> /MoS <sub>2</sub> reduced graphene oxide composite by adsorption and photocatalysis. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 112, 274-279	5.5	22

162	Tunnelling current recognition through core-satellite gold nanoparticles for ultrasensitive detection of copper ions. <i>Chemical Communications</i> , <b>2015</b> , 51, 2921-4	5.8	22
161	Drying and denaturation characteristics of $\beta$ -lactalbumin, $\beta$ -lactoglobulin, and bovine serum albumin in a convective drying process. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 4695-706	5.7	22
160	Suitability of Recombinant Lipase Immobilised on Functionalised Magnetic Nanoparticles for Fish Oil Hydrolysis. <i>Catalysts</i> , <b>2019</b> , 9, 420	4	21
159	Enzyme-free fluorescent detection of microcystin-LR using hairpin DNA-templated copper nanoclusters as signal indicator. <i>Talanta</i> , <b>2019</b> , 202, 279-284	6.2	21
158	Understanding response surface optimisation to the modeling of Astaxanthin extraction from a novel strain <i>Thraustochytrium</i> sp. S7. <i>Algal Research</i> , <b>2015</b> , 11, 113-120	5	21
157	Large and Small Assembly: Combining Functional Macromolecules with Small Peptides to Control the Morphology of Skeletal Muscle Progenitor Cells. <i>Biomacromolecules</i> , <b>2018</b> , 19, 825-837	6.9	21
156	Dimerisation of N-acetyl-L-tyrosine ethyl ester and Abeta peptides via formation of dityrosine. <i>Free Radical Research</i> , <b>2006</b> , 40, 1-9	4	21
155	Microencapsulation of lipase produced omega-3 concentrates resulted in complex coacervates with unexpectedly high oxidative stability. <i>Journal of Functional Foods</i> , <b>2017</b> , 35, 499-506	5.1	20
154	Effect of DHA and coenzymeQ10 against A $\beta$ and zinc-induced mitochondrial dysfunction in human neuronal cells. <i>Cellular Physiology and Biochemistry</i> , <b>2013</b> , 32, 243-52	3.9	20
153	Metal-Catalyzed Oxidative Damage and Oligomerization of the Amyloid- $\beta$ Peptide of Alzheimer's Disease. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 511	1.2	20
152	Distilled technical cashew nut shell liquid (DT-CNSL) as an effective biofuel and additive to stabilize triglyceride biofuels in diesel. <i>Renewable Energy</i> , <b>2014</b> , 71, 81-88	8.1	19
151	Chasing the personalized medicine dream through biomarker validation in colorectal cancer. <i>Drug Discovery Today</i> , <b>2017</b> , 22, 111-119	8.8	19
150	Recent Advances in Feedstocks and Enzyme-Immobilised Technology for Effective Transesterification of Lipids into Biodiesel <b>2015</b> , 87-103		19
149	Synthesis and characterization of surface-enhanced Raman-scattered gold nanoparticles. <i>International Journal of Nanomedicine</i> , <b>2013</b> , 8, 4327-38	7.3	19
148	New Macrocyclic Lactones from a <i>Penicillium</i> Species. <i>Journal of Natural Products</i> , <b>1997</b> , 60, 1023-1025	4.9	19
147	Synthesis of petaloid and origami-lantern shaped MnO <sub>2</sub> /Co <sub>2</sub> CH@C hierarchical core-shell nanorod arrays for portable asymmetric supercapacitor. <i>Composites Part B: Engineering</i> , <b>2021</b> , 215, 108756	10	19
146	Insight into Catalytic Mechanisms for the Reduction of Nitrophenol via Heterojunctions of Gold Nanoclusters on 2D Boron Nitride Nanosheets. <i>ChemNanoMat</i> , <b>2019</b> , 5, 784-791	3.5	18
145	Switching off the interactions between graphene oxide and doxorubicin using vitamin C: combining simplicity and efficiency in drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 1251-1259	7.3	18

144	Characterisation of lipase fatty acid selectivity using novel omega-3 pNP-acyl esters. <i>Journal of Functional Foods</i> , <b>2014</b> , 6, 259-269	5.1	18
143	Relationship to reducing sugar production and scanning electron microscope structure to pretreated hemp hurd biomass ( <i>Cannabis sativa</i> ). <i>Biomass and Bioenergy</i> , <b>2013</b> , 58, 180-187	5.3	18
142	Optimization of Fatty Acid Determination in Selected Fish and Microalgal Oils. <i>Chromatographia</i> , <b>2009</b> , 70, 629-636	2.1	18
141	Structure determination, pharmacological evaluation, and structure-activity studies of a new cyclic peptide substance P antagonist containing the new amino acid 3-prenyl-beta-hydroxytyrosine, isolated from <i>Aspergillus flavipes</i> . <i>Journal of Medicinal Chemistry</i> , <b>1994</b> , 37, 356-63	8.3	18
140	Scaffolds Formed via the Non-Equilibrium Supramolecular Assembly of the Synergistic ECM Peptides RGD and PHSRN Demonstrate Improved Cell Attachment in 3D. <i>Polymers</i> , <b>2018</b> , 10,	4.5	18
139	A Comparative Investigation on Phenolic Composition, Characterization and Antioxidant Potentials of Five Different Australian Grown Pear Varieties. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	18
138	Facile Control over the Supramolecular Ordering of Self-assembled Peptide Scaffolds by Simultaneous Assembly with a Polysaccharide. <i>Scientific Reports</i> , <b>2017</b> , 7, 4797	4.9	17
137	Self-Assembly of Gold Nanowires along Carbon Nanotubes for Ultrahigh-Aspect-Ratio Hybrids. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2760-2765	9.6	17
136	Stimulation of cytokine production in human peripheral blood mononuclear cells by an aqueous <i>Chlorella</i> extract. <i>Planta Medica</i> , <b>2007</b> , 73, 762-8	3.1	17
135	Multilayered and hierarchical structured NiCo double hydroxide nanosheets generated on porous MgCo <sub>2</sub> O <sub>4</sub> nanowire arrays for high performance supercapacitors. <i>Applied Surface Science</i> , <b>2021</b> , 546, 149133	6.7	17
134	MgCoO@NiMn layered double hydroxide core-shell nanocomposites on nickel foam as superior electrode for all-solid-state asymmetric supercapacitors. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 592, 455-467	9.3	17
133	Survival and fermentation activity of probiotic bacteria and oxidative stability of omega-3 oil in co-microcapsules during storage. <i>Journal of Functional Foods</i> , <b>2016</b> , 23, 485-496	5.1	17
132	High-Throughput Screening and Characterization of Phenolic Compounds in Stone Fruits Waste by LC-ESI-QTOF-MS/MS and Their Potential Antioxidant Activities. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	17
131	Combination of calcium and magnesium ions prevents substrate inhibition and promotes biomass and lipid production in thraustochytrids under higher glycerol concentration. <i>Algal Research</i> , <b>2016</b> , 15, 202-209	5	16
130	Alzheimer's disease amyloid beta and prion protein amyloidogenic peptides promote macrophage survival, DNA synthesis and enhanced proliferative response to CSF-1 (M-CSF). <i>Brain Research</i> , <b>2002</b> , 940, 49-54	3.7	16
129	Oxygenated Furanosesterterpene Tetrone Acids from a Sponge of the Genus <i>Ircinia</i> . <i>Journal of Natural Products</i> , <b>1988</b> , 51, 1294-1298	4.9	16
128	Lipase-catalysed synthesis of palm oil-omega-3 structured lipids. <i>Food and Function</i> , <b>2019</b> , 10, 3142-3149	6.1	15
127	Synthesis of N-substituted 4-hydroxynaphthalimides using palladium-catalysed hydroxylation. <i>Dyes and Pigments</i> , <b>2016</b> , 126, 118-120	4.6	15

126	Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy: An analytical technique to understand therapeutic responses at the molecular level. <i>Scientific Reports</i> , <b>2015</b> , 5, 16649	4.9	15
125	Increased hydrolysis by <i>Thermomyces lanuginosus</i> lipase for omega-3 fatty acids in the presence of a protic ionic liquid. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 1839	5.5	15
124	Studies to Prevent Degradation of Recombinant Fc-Fusion Protein Expressed in Mammalian Cell Line and Protein Characterization. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17,	6.3	15
123	Integrated consolidated bioprocessing for simultaneous production of Omega-3 fatty acids and bioethanol. <i>Biomass and Bioenergy</i> , <b>2020</b> , 137, 105555	5.3	15
122	Propyl gallate and butylated hydroxytoluene influence the accumulation of saturated fatty acids, omega-3 fatty acid and carotenoids in thraustochytrids. <i>Journal of Functional Foods</i> , <b>2015</b> , 15, 186-192	5.1	14
121	Chemiluminescence detectors for liquid chromatography. <i>Drug Testing and Analysis</i> , <b>2011</b> , 3, 139-44	3.5	14
120	Real-time electrochemical monitoring of covalent bond formation in solution via nanoparticle-electrode collisions. <i>Chemical Communications</i> , <b>2015</b> , 51, 16349-52	5.8	13
119	Survival, oxidative stability, and surface characteristics of spray dried co-microcapsules containing omega-3 fatty acids and probiotic bacteria. <i>Drying Technology</i> , <b>2016</b> , 34, 1926-1935	2.6	13
118	Highly stable spray dried tuna oil powders encapsulated in double shells of whey protein isolate-agar gum and gellan gum complex coacervates. <i>Powder Technology</i> , <b>2019</b> , 358, 79-86	5.2	13
117	Anchovy oil microcapsule powders prepared using two-step complex coacervation between gelatin and sodium hexametaphosphate followed by spray drying. <i>Powder Technology</i> , <b>2019</b> , 358, 68-78	5.2	13
116	Ammonia nitrogen removal from aqueous solution using functionalized zeolite columns. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 753-758		13
115	A comparative analysis of four kinds of polysaccharides purified from <i>Furcellaria lumbricalis</i> . <i>Journal of Ocean University of China</i> , <b>2007</b> , 6, 16-20	1	13
114	Selective Enrichment of Omega-3 Fatty Acids in Oils by Phospholipase A1. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151370	3.7	13
113	Compositional Information Useful for Authentication of Krill Oil and the Detection of Adulterants. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 178-187	3.4	13
112	An <i>Aspergillus aculateus</i> strain was capable of producing agriculturally useful nanoparticles via bioremediation of iron ore tailings. <i>Journal of Environmental Management</i> , <b>2018</b> , 215, 100-107	7.9	12
111	4-Hydroxy-N-propyl-1,8-naphthalimide esters: New fluorescence-based assay for analysing lipase and esterase activity. <i>Biochimie</i> , <b>2016</b> , 128-129, 127-32	4.6	12
110	On-line high-performance liquid chromatography/mass spectrometric investigation of amyloid-beta peptide variants found in Alzheimer's disease. <i>Rapid Communications in Mass Spectrometry</i> , <b>1999</b> , 13, 2348-51	2.2	12
109	Minor limonoids from <i>Trichilia rubra</i> . <i>Phytochemistry</i> , <b>1995</b> , 39, 621-624	4	12

108	Reactions of benzyl carbinols with fluorosulfuric acid. <i>Journal of Organic Chemistry</i> , <b>1989</b> , 54, 2542-2549	4.2	12
107	Preparing Bombyx mori Silk Nanofibers Using a Sustainable and Scalable Approach. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1155-1162	8.3	12
106	Identification of phenolic compounds in Australian grown dragon fruits by LC-ESI-QTOF-MS/MS and determination of their antioxidant potential. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 14, 103151	5.9	12
105	In-vitro evaluation of marine derived fungi against Cutibacterium acnes. <i>Anaerobe</i> , <b>2018</b> , 49, 5-13	2.8	11
104	Detection of biogenic amines in pet food ingredients by RP-HPLC with automated dansyl chloride derivatization. <i>Journal of Separation Science</i> , <b>2018</b> , 41, 4430-4436	3.4	11
103	In situ embedding of cobalt sulfide quantum dots among transition metal layered double hydroxides for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> ,	13	11
102	Direct transfer of graphene and application in low-voltage hybrid transistors. <i>RSC Advances</i> , <b>2017</b> , 7, 2172-2179	3.7	10
101	Synchrotron-FTIR microspectroscopy enables the distinction of lipid accumulation in thraustochytrid strains through analysis of individual live cells. <i>Protist</i> , <b>2015</b> , 166, 106-21	2.5	10
100	A computational search for lipases that can preferentially hydrolyze long-chain omega-3 fatty acids from fish oil triacylglycerols. <i>Food Chemistry</i> , <b>2015</b> , 173, 1030-6	8.5	10
99	Facile fluorescence strategy for sensitive detection of microcystin-LR based on dsDNA-templated copper nanoclusters. <i>Analytical Methods</i> , <b>2020</b> , 12, 1752-1758	3.2	10
98	A screening approach for assessing lytic polysaccharide monooxygenase activity in fungal strains. <i>Biotechnology for Biofuels</i> , <b>2019</b> , 12, 185	7.8	10
97	Polydatin-fatty acid conjugates are effective antioxidants for stabilizing omega 3-containing bulk fish oil and fish oil emulsions. <i>Food Chemistry</i> , <b>2019</b> , 301, 125297	8.5	10
96	Characterization and Molecular Mechanism of Peptide-Conjugated Gold Nanoparticle Inhibiting p53-HDM2 Interaction in Retinoblastoma. <i>Molecular Therapy - Nucleic Acids</i> , <b>2017</b> , 9, 349-364	10.7	10
95	Production and bioavailability of calcium and magnesium salts of omega-3 fatty acids. <i>Journal of Functional Foods</i> , <b>2009</b> , 1, 217-221	5.1	10
94	A beta peptides and calcium influence secretion of the amyloid protein precursor from chick sympathetic neurons in culture. <i>Journal of Neuroscience Research</i> , <b>2000</b> , 61, 449-57	4.4	10
93	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , <b>2021</b> , 44, 194-210	21.8	10
92	Bioethanol production potential of a novel thermophilic isolate Thermoanaerobacter sp. DBT-IOC-X2 isolated from Chumathang hot spring. <i>Biomass and Bioenergy</i> , <b>2018</b> , 116, 122-130	5.3	9
91	Copper catalysed oxidation of amino acids and Alzheimer's disease. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2003</b> , 10, 405-412		9



90	The synthesis and spectroscopic analysis of the neurotoxic prion peptide 106 <sup>126</sup> : Comparative use of manual Boc and Fmoc chemistry. <i>International Journal of Peptide Research and Therapeutics</i> , <b>1999</b> , 6, 129-134		9
89	Anthrone, naturally occurring competitive inhibitors of adenosine-triphosphate-citrate lyase. <i>Drug Development Research</i> , <b>1995</b> , 36, 35-42	5.1	9
88	Advances in the Development of Abeta-Related Therapeutic Strategies for Alzheimer's Disease. <i>Drug News and Perspectives</i> , <b>2002</b> , 15, 102-109		9
87	Development of a novel myconanoming approach for the recovery of agriculturally important elements from jarosite waste. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 67, 356-367	6.4	8
86	Role of Cation in Enhancing the Conversion of the Alzheimer's Peptide into Amyloid Fibrils Using Protic Ionic Liquids. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 1502	1.2	8
85	Isolation and partial structure determination of a clonidine-displacing substance from bovine lung and brain. <i>Journal of the Autonomic Nervous System</i> , <b>1998</b> , 72, 86-93		8
84	Characterization of Phenolics in Rejected Kiwifruit and Their Antioxidant Potential. <i>Processes</i> , <b>2021</b> , 9, 781	2.9	8
83	Enzyme systems of thermophilic anaerobic bacteria for lignocellulosic biomass conversion. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 168, 572-590	7.9	8
82	Colorimetric semi-quantitative measurement of pyrophosphate by functionalised SPPS resin in biological media. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 243, 761-764	8.5	7
81	Double stranded DNA-templated copper nanoclusters as a novel fluorescent probe for label-free detection of rutin. <i>Analytical Methods</i> , <b>2019</b> , 11, 3584-3589	3.2	7
80	Investigation of enhanced oxidation stability of microencapsulated enzymatically produced tuna oil concentrates using complex coacervation. <i>Food and Function</i> , <b>2020</b> , 11, 10748-10757	6.1	7
79	Protein Paper from Exfoliated Eri Silk Nanofibers. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1303-1314	6.9	7
78	Chemiluminescence evidence supporting the selective role of ligands in the permanganate oxidation of micropollutants. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 10286-93	2.8	7
77	LC-ESI-QTOF-MS/MS Characterisation of Phenolics in Herbal Tea Infusion and Their Antioxidant Potential. <i>Fermentation</i> , <b>2021</b> , 7, 73	4.7	7
76	Direct Observation of Amide Bond Formation in a Plasmonic Nanocavity Triggered by Single Nanoparticle Collisions. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 9781-9790	16.4	7
75	Influence of substrate loadings on the consolidated bioprocessing of rice straw and sugarcane bagasse biomass using <i>Ruminiclostridium thermocellum</i> . <i>Bioresource Technology Reports</i> , <b>2019</b> , 7, 100138	4.1	7
74	Tween 80 influences the production of intracellular lipase by <i>Schizochytrium S31</i> in a stirred tank reactor. <i>Process Biochemistry</i> , <b>2017</b> , 53, 30-35	4.8	6
73	Free Fatty Acids in Commercial Krill Oils: Concentrations, Compositions, and Implications for Oxidative Stability. <i>JAACS, Journal of the American Oil Chemists Society</i> , <b>2020</b> , 97, 889-900	1.8	6

72	Structural deformation in pathogenic bacteria cells caused by marine fungal metabolites: An in vitro investigation. <i>Microbial Pathogenesis</i> , <b>2020</b> , 146, 104248	3.8	6
71	Understanding physicochemical changes in pretreated and enzyme hydrolysed hemp ( <i>Cannabis sativa</i> ) biomass for biorefinery development. <i>Biomass Conversion and Biorefinery</i> , <b>2016</b> , 6, 127-138	2.3	6
70	Bioethanol production by a xylan fermenting thermophilic isolate <i>Clostridium</i> strain DBT-IOC-DC21. <i>Anaerobe</i> , <b>2018</b> , 51, 89-98	2.8	6
69	The study of adsorption mechanism of mixed pesticides prometryne-acetochlor in the soil/water system. <i>International Biodeterioration and Biodegradation</i> , <b>2015</b> , 102, 281-285	4.8	6
68	Design of multiligand inhibitors for the swine flu H1N1 neuraminidase binding site. <i>Advances and Applications in Bioinformatics and Chemistry</i> , <b>2013</b> , 6, 47-53	1.5	6
67	Endogenous imidazoline receptor ligands relax rat aorta by an endothelium-dependent mechanism. <i>Annals of the New York Academy of Sciences</i> , <b>2003</b> , 1009, 222-7	6.5	6
66	A self-enhanced and recyclable catalytic system constructed from magnetic bi-nano-bionic enzymes for real-time control of RAFT polymerization. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 1301-1308	7.1	6
65	Solvent Effect on Supramolecular Self-Assembly of Chlorophylls a on Chemically Reduced Graphene Oxide. <i>Langmuir</i> , <b>2020</b> , 36, 13575-13582	4	6
64	Mango rejects and mango waste: Characterization and quantification of phenolic compounds and their antioxidant potential. <i>Journal of Food Processing and Preservation</i> , <b>2021</b> , 45, e15618	2.1	6
63	The TiO <sub>2</sub> (B) nano-belts with excellent performance prepared via alkaline stirring hydrothermal method and its application to remove 17 $\beta$ -ethynylestradiol. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 34018-34026	5.1	6
62	Impact of processing and storage on protein digestibility and bioavailability of legumes. <i>Food Reviews International</i> , 1-28	5.5	6
61	Investigating the Mechanism for the Enhanced Oxidation Stability of Microencapsulated Omega-3 Concentrates. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	5
60	A simplified method for active-site titration of lipases immobilised on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , <b>2018</b> , 113, 18-23	3.8	5
59	Endophytic Fungi - An Untapped Source of Potential Antioxidants. <i>Current Bioactive Compounds</i> , <b>2020</b> , 16, 944-964	0.9	5
58	The p3 Peptide, a Naturally Occurring Fragment of the Amyloid- $\beta$ Peptide (A $\beta$ ) Found in Alzheimer's Disease, Has a Greater Aggregation Propensity In Vitro Than Full-Length A $\beta$ But Does Not Bind Cu <sup>2+</sup> .. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 321	1.2	5
57	LC-ESI-QTOF-MS/MS Profiling and Antioxidant Activity of Phenolics from Custard Apple Fruit and By-Products. <i>Separations</i> , <b>2021</b> , 8, 62	3.1	5
56	Exploring the Effects of Omega-3 and Omega-6 Fatty Acids on Allergy Using a HEK-Blue Cell Line. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 17, 220	6.3	5
55	A sensitive electrochemical assay for T4 polynucleotide kinase activity based on titanium dioxide nanotubes and a rolling circle amplification strategy.. <i>RSC Advances</i> , <b>2018</b> , 8, 38436-38444	3.7	5

54	Effect of processing on bioavailability and bioaccessibility of bioactive compounds in coffee beans. <i>Food Bioscience</i> , <b>2021</b> , 46, 101373	4.9	5
53	The amyloid- $\beta$ peptide and its role in Alzheimer's disease <b>2001</b> , 7, 227		5
52	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 539-547	6.7	4
51	Lipid profiles, in vitro digestion and oxidative stability of mutton bird oil. <i>Journal of Food Science and Technology</i> , <b>2016</b> , 53, 1230-7	3.3	4
50	Analysis of residues of prometryne and acetochlor in soil-water system by solid-phase extraction and gas chromatography/mass spectrometry. <i>Desalination and Water Treatment</i> , <b>2014</b> , 52, 1177-1182		4
49	The study on triazophos adsorption behavior on the multi-walled carbon nanotubes <b>96</b> , 97-103		4
48	Phenolic Profiling of Five Different Australian Grown Apples. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2421	2.6	4
47	Soy flour as an alternative to purified lipoxygenase for the enzymatic synthesis of resolvin analogues. <i>New Biotechnology</i> , <b>2018</b> , 41, 25-33	6.4	4
46	Quantifying Graphene Oxide Reduction Using Spectroscopic Techniques: A Chemometric Analysis. <i>Applied Spectroscopy</i> , <b>2018</b> , 72, 1764-1773	3.1	4
45	Simultaneously 'pushing' and 'pulling' graphene oxide into low-polar solvents through a designed interface. <i>Nanotechnology</i> , <b>2018</b> , 29, 315707	3.4	4
44	Characterization of an Endophytic Strain , CPEF04 With Evaluation of Production Medium for Extracellular Red Pigments Having Antimicrobial and Anticancer Properties. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 665702	5.7	4
43	Peptide thioester preparation by Fmoc solid phase peptide synthesis for use in native chemical ligation <b>2000</b> , 6, 225		4
42	Solvent-induced 7R-dioxygenase activity of soybean 15-lipoxygenase-1 in the formation of omega-3 DPA-derived resolvin analogs. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 108, 96-102		3
41	Bioprocessing of Plant-Derived Bioactive Phenolic Compounds <b>2017</b> , 135-181		3
40	Current protein-based anti-angiogenic therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2014</b> , 14, 291-312	3.2	3
39	Two-phase method of cultivating <i>Coelastrella</i> species for increased production of lipids and carotenoids. <i>Bioresource Technology Reports</i> , <b>2020</b> , 9, 100366	4.1	3
38	Preparation and adsorption of phosphorus by new heteropolyacid salt-lanthanum oxide composites. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 7874-7880		3
37	Screening of phenolic compounds in australian grown grapes and their potential antioxidant activities. <i>Food Bioscience</i> , <b>2022</b> , 47, 101644	4.9	3

36	Bioaccessibility and bioactivities of phenolic compounds from roasted coffee beans during in vitro digestion and colonic fermentation.. <i>Food Chemistry</i> , <b>2022</b> , 386, 132794	8.5	3
35	Evaluation of cell disruption method for lipase extraction from novel thraustochytrids. <i>Algal Research</i> , <b>2017</b> , 25, 62-67	5	2
34	Self-Assembled Peptide Nanostructures for the Fabrication of Cell Scaffolds <b>2015</b> , 33-61		2
33	Photocatalytic degradation of bisphenol A by HMS/g-C3N4 composite. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29509-29516		2
32	Omega-3 Fatty Acids Produced from Microalgae <b>2015</b> , 1043-1057		2
31	Mimtags: the use of phage display technology to produce novel protein-specific probes. <i>Journal of Immunological Methods</i> , <b>2014</b> , 405, 121-9	2.5	2
30	Chromium(III)Docosahexaenoic acid complex: Synthesis and characterization. <i>Journal of Functional Foods</i> , <b>2009</b> , 1, 291-297	5.1	2
29	Microalga <i>Scenedesmus bijugus</i> : Biomass, lipid profile, and carotenoids production in vitro. <i>Biomass and Bioenergy</i> , <b>2020</b> , 142, 105749	5.3	2
28	Enzymatic Production of Antioxidants and Their Applications <b>2019</b> , 92-96		2
27	A Cu(II)-triggered release system by L-cysteine functionalized gold nanoparticles for on-demand molecular delivery and bioimaging in cells. <i>Molecular Systems Design and Engineering</i> ,	4.6	2
26	Coacervation Technique as an Encapsulation and Delivery Tool for Hydrophobic Biofunctional Compounds <b>2018</b> , 235-261		2
25	Reverse micelle formation in vegetable oil, 1-butanol and diesel biofuel blends [Elimination of need for transesterification of triglycerides. <i>Renewable Energy Focus</i> , <b>2018</b> , 25, 57-64	5.4	2
24	Lipase-produced omega-3 acylglycerols for the fortification and stabilization of extra virgin olive oil using hydroxytyrosyl palmitate. <i>Future Foods</i> , <b>2021</b> , 4, 100045	3.3	2
23	In-situ formation of Co(OH) <sub>2</sub> nanosheet arrays on magnesium cobaltate nanowires for hybrid supercapacitors with enhanced electrochemical performance. <i>Applied Surface Science</i> , <b>2021</b> , 568, 150856	6.7	2
22	Bioaccessibility of phenolic compounds from sesame seeds ( <i>Sesamum indicum</i> L .) during in vitro gastrointestinal digestion and colonic fermentation. <i>Journal of Food Processing and Preservation</i> ,	2.1	2
21	Bioprospecting Indigenous Marine Microalgae for Polyunsaturated Fatty Acids Under Different Media Conditions.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 842797	5.8	2
20	Development of continuous cultivation process for oil production through bioconversion of minimally treated waste streams from second-generation bioethanol production. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2018</b> , 93, 3018-3027	3.5	1
19	SOLVENT INDUCED CHANGES IN THE CONFORMATIONAL STATE OF LACTOGLOBULIN AND THE INFLUENCE OF PROTIC IONIC LIQUIDS. <i>Journal of Molecular and Engineering Materials</i> , <b>2013</b> , 01, 1250004	1.3	1

18	Secondary structural modifications of Aβ(1-40) induced by multiple 2-acetoxy-4-methoxybenzyl (acetylHmb) protection. <i>International Journal of Peptide Research and Therapeutics</i> , <b>1999</b> , 6, 289-293		1
17	Enzyme technology in the production of flavors and food additives <b>2022</b> , 45-55		1
16	Water-based asymmetric supercapacitors with 2.5 V wide potential and high energy density based on Na <sub>0.6</sub> CoO <sub>2</sub> nanoarray formed via electrochemical oxidation. <i>Carbon</i> , <b>2022</b> , 189, 81-92	10.4	1
15	In Situ Synthesis of CoCeS Bimetallic Sulfide Nanoparticles on a Bi-Pyrene Terminated Molecular Wire Modified Graphene Surface for Supercapacitors. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17402-17411	4.8	1
14	Role of proteins in the biosynthesis and functioning of metallic nanoparticles. <i>Critical Reviews in Biotechnology</i> , <b>2021</b> , 1-16	9.4	1
13	Unveiling the dermatological potential of marine fungal species components: Antioxidant and inhibitory capacities over tyrosinase. <i>Biotechnology and Applied Biochemistry</i> , <b>2021</b> ,	2.8	1
12	Molecular Characterization of Nanoimmobilized Cellulase in Facilitating Pretreatment of Lignocellulosic Biomass <b>2016</b> , 141-149		1
11	Effect of Triton X-100 on the Activity and Selectivity of Lipase Immobilized on Chemically Reduced Graphene Oxides. <i>Langmuir</i> , <b>2021</b> , 37, 9202-9214	4	1
10	Al $\beta$ peptides and calcium influence secretion of the amyloid protein precursor from chick sympathetic neurons in culture <b>2000</b> , 61, 449		1
9	Bioaccessibility and movement of phenolic compounds from tomato () during gastrointestinal digestion and colonic fermentation.. <i>Food and Function</i> , <b>2022</b> ,	6.1	1
8	Bio-Synthesis of Aspergillus terreus Mediated Gold Nanoparticle: Antimicrobial, Antioxidant, Antifungal and In Vitro Cytotoxicity Studies. <i>Materials</i> , <b>2022</b> , 15, 3877	3.5	1
7	Marine Fungi as a Potential Source of Future Cosmeceuticals <b>2019</b> , 627-669		0
6	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 223-223	4.8	
5	Hg <sup>2+</sup> -selective fluorescent probe based on rhodamine 6G and its application in aqueous media. <i>Desalination and Water Treatment</i> , <b>2016</b> , 57, 29434-29438		
4	Copper catalysed oxidation of amino acids and Alzheimer's disease. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2003</b> , 10, 405-412	2.1	
3	The synthesis and spectroscopic analysis of the neurotoxic prion peptide 106-126: Comparative use of manual Boc and Fmoc chemistry. <i>International Journal of Peptide Research and Therapeutics</i> , <b>1999</b> , 6, 129-134		
2	Enzymes in nutrition, baby foods, and food safety <b>2022</b> , 153-161		
1	Phylogenetic diversity and antioxidant activity of selected fungi from ethno-medicinal plants and soil. <i>Mycological Progress</i> , <b>2022</b> , 21, 1	1.9	

