

Colin J Barrow

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.

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	Enzyme technology in the production of flavors and food additives 2022 , 45-55		1
322	Enzymes in nutrition, baby foods, and food safety 2022 , 153-161		
321	Water-based asymmetric supercapacitors with 2.5 V wide potential and high energy density based on Na _{0.6} CoO ₂ nanoarray formed via electrochemical oxidation. <i>Carbon</i> , 2022 , 189, 81-92	10.4	1
320	Bioaccessibility and movement of phenolic compounds from tomato () during gastrointestinal digestion and colonic fermentation.. <i>Food and Function</i> , 2022 ,	6.1	1
319	Phylogenetic diversity and antioxidant activity of selected fungi from ethno-medicinal plants and soil. <i>Mycological Progress</i> , 2022 , 21, 1	1.9	
318	Screening of phenolic compounds in australian grown grapes and their potential antioxidant activities. <i>Food Bioscience</i> , 2022 , 47, 101644	4.9	3
317	Bioaccessibility and bioactivities of phenolic compounds from roasted coffee beans during in vitro digestion and colonic fermentation.. <i>Food Chemistry</i> , 2022 , 386, 132794	8.5	3
316	Bioprospecting Indigenous Marine Microalgae for Polyunsaturated Fatty Acids Under Different Media Conditions.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 842797	5.8	2
315	Bio-Synthesis of Aspergillus terreus Mediated Gold Nanoparticle: Antimicrobial, Antioxidant, Antifungal and In Vitro Cytotoxicity Studies. <i>Materials</i> , 2022 , 15, 3877	3.5	1
314	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> , 2021 , 27, 17402-17411	4.8	1
313	Role of proteins in the biosynthesis and functioning of metallic nanoparticles. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-16	9.4	1
312	Phenolic Profiling of Five Different Australian Grown Apples. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2421	2.6	4
311	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , 2021 , 44, 194-210	21.8	10
310	Multilayered and hierarchical structured NiCo double hydroxide nanosheets generated on porous MgCo ₂ O ₄ nanowire arrays for high performance supercapacitors. <i>Applied Surface Science</i> , 2021 , 546, 149133	6.7	17
309	Characterization of Phenolics in Rejected Kiwifruit and Their Antioxidant Potential. <i>Processes</i> , 2021 , 9, 781	2.9	8
308	LC-ESI-QTOF-MS/MS Profiling and Antioxidant Activity of Phenolics from Custard Apple Fruit and By-Products. <i>Separations</i> , 2021 , 8, 62	3.1	5
307	Mango rejects and mango waste: Characterization and quantification of phenolic compounds and their antioxidant potential. <i>Journal of Food Processing and Preservation</i> , 2021 , 45, e15618	2.1	6

306	LC-ESI-QTOF-MS/MS Characterisation of Phenolics in Herbal Tea Infusion and Their Antioxidant Potential. <i>Fermentation</i> , 2021 , 7, 73	4.7	7
305	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> , 2021 , 14, 103151	5.9	12
304	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> , 2021 , 592, 455-467	9.3	17
303	Unveiling the dermatological potential of marine fungal species components: Antioxidant and inhibitory capacities over tyrosinase. <i>Biotechnology and Applied Biochemistry</i> , 2021 ,	2.8	1
302	Synthesis of petaloid and origami-lantern shaped MnO ₂ /Co ₂ CH@C hierarchical core-shell nanorod arrays for portable asymmetric supercapacitor. <i>Composites Part B: Engineering</i> , 2021 , 215, 108756	10	19
301	Direct Observation of Amide Bond Formation in a Plasmonic Nanocavity Triggered by Single Nanoparticle Collisions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9781-9790	16.4	7
300	Facile construction of MgCo ₂ O ₄ @CoFe layered double hydroxide core-shell nanocomposites on nickel foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2021 , 484, 229288	8.0	33
299	Enzyme systems of thermophilic anaerobic bacteria for lignocellulosic biomass conversion. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 572-590	7.9	8
298	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> , 2021 , 10,	7.1	17
297	Effect of Triton X-100 on the Activity and Selectivity of Lipase Immobilized on Chemically Reduced Graphene Oxides. <i>Langmuir</i> , 2021 , 37, 9202-9214	4	1
296	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> , 2021 , 12, 665702	5.7	4
295	Effect of processing on bioavailability and bioaccessibility of bioactive compounds in coffee beans. <i>Food Bioscience</i> , 2021 , 46, 101373	4.9	5
294	Lipase-produced omega-3 acylglycerols for the fortification and stabilization of extra virgin olive oil using hydroxytyrosyl palmitate. <i>Future Foods</i> , 2021 , 4, 100045	3.3	2
293	In-situ formation of Fe(OH) ₂ nanosheet arrays on magnesium cobaltate nanowires for hybrid supercapacitors with enhanced electrochemical performance. <i>Applied Surface Science</i> , 2021 , 568, 150856	6.7	2
292	A Comparative Investigation on Phenolic Composition, Characterization and Antioxidant Potentials of Five Different Australian Grown Pear Varieties. <i>Antioxidants</i> , 2021 , 10,	7.1	18
291	Investigation of enhanced oxidation stability of microencapsulated enzymatically produced tuna oil concentrates using complex coacervation. <i>Food and Function</i> , 2020 , 11, 10748-10757	6.1	7
290	Free Fatty Acids in Commercial Krill Oils: Concentrations, Compositions, and Implications for Oxidative Stability. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2020 , 97, 889-900	1.8	6
289	Structural deformation in pathogenic bacteria cells caused by marine fungal metabolites: An in vitro investigation. <i>Microbial Pathogenesis</i> , 2020 , 146, 104248	3.8	6

288	Facile fluorescence strategy for sensitive detection of microcystin-LR based on dsDNA-templated copper nanoclusters. <i>Analytical Methods</i> , 2020 , 12, 1752-1758	3.2	10
287	LC-ESI-QTOF-MS/MS Characterization of Seaweed Phenolics and Their Antioxidant Potential. <i>Marine Drugs</i> , 2020 , 18,	6	32
286	Protein Paper from Exfoliated Eri Silk Nanofibers. <i>Biomacromolecules</i> , 2020 , 21, 1303-1314	6.9	7
285	Recent Advancement of Biosensor Technology for the Detection of Microcystin-LR. <i>Bulletin of the Chemical Society of Japan</i> , 2020 , 93, 637-646	5.1	26
284	Endophytic Fungi - An Untapped Source of Potential Antioxidants. <i>Current Bioactive Compounds</i> , 2020 , 16, 944-964	0.9	5
283	Screening of Phenolic Compounds in Australian Grown Berries by LC-ESI-QTOF-MS/MS and Determination of Their Antioxidant Potential. <i>Antioxidants</i> , 2020 , 10,	7.1	27
282	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> , 2020 , 560, 237-246	9.3	30
281	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> , 2020 , 8, 1301-1308	7.1	6
280	Two-phase method of cultivating <i>Coelastrella</i> species for increased production of lipids and carotenoids. <i>Bioresource Technology Reports</i> , 2020 , 9, 100366	4.1	3
279	Preparing <i>Bombyx mori</i> Silk Nanofibers Using a Sustainable and Scalable Approach. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1155-1162	8.3	12
278	Solvent Effect on Supramolecular Self-Assembly of Chlorophylls a on Chemically Reduced Graphene Oxide. <i>Langmuir</i> , 2020 , 36, 13575-13582	4	6
277	Microalga <i>Scenedesmus bijugus</i> : Biomass, lipid profile, and carotenoids production in vitro. <i>Biomass and Bioenergy</i> , 2020 , 142, 105749	5.3	2
276	Screening and Characterization of Phenolic Compounds and Their Antioxidant Capacity in Different Fruit Peels. <i>Foods</i> , 2020 , 9,	4.9	53
275	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> , 2020 , 561, 265-274	9.3	42
274	Integrated consolidated bioprocessing for simultaneous production of Omega-3 fatty acids and bioethanol. <i>Biomass and Bioenergy</i> , 2020 , 137, 105555	5.3	15
273	Suitability of Recombinant Lipase Immobilised on Functionalised Magnetic Nanoparticles for Fish Oil Hydrolysis. <i>Catalysts</i> , 2019 , 9, 420	4	21
272	Double stranded DNA-templated copper nanoclusters as a novel fluorescent probe for label-free detection of rutin. <i>Analytical Methods</i> , 2019 , 11, 3584-3589	3.2	7
271	Lipase-catalysed synthesis of palm oil-omega-3 structured lipids. <i>Food and Function</i> , 2019 , 10, 3142-3149	6.1	15

270	Enzyme-free fluorescent detection of microcystin-LR using hairpin DNA-templated copper nanoclusters as signal indicator. <i>Talanta</i> , 2019 , 202, 279-284	6.2	21
269	Insight into Catalytic Mechanisms for the Reduction of Nitrophenol via Heterojunctions of Gold Nanoclusters on 2D Boron Nitride Nanosheets. <i>ChemNanoMat</i> , 2019 , 5, 784-791	3.5	18
268	Investigating the Mechanism for the Enhanced Oxidation Stability of Microencapsulated Omega-3 Concentrates. <i>Marine Drugs</i> , 2019 , 17,	6	5
267	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> , 2019 , 371, 461-469	14.7	145
266	Fabrication of Cobaltic Oxide Nanoparticle-Doped 3 D MXene/Graphene Hybrid Porous Aerogels for All-Solid-State Supercapacitors. <i>Chemistry - A European Journal</i> , 2019 , 25, 5547-5554	4.8	53
265	Microbial Pigments in the Food Industry-Challenges and the Way Forward. <i>Frontiers in Nutrition</i> , 2019 , 6, 7	6.2	99
264	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> , 2019 , 358, 79-86	5.2	13
263	Anchovy oil microcapsule powders prepared using two-step complex coacervation between gelatin and sodium hexametaphosphate followed by spray drying. <i>Powder Technology</i> , 2019 , 358, 68-78	5.2	13
262	Zn-Ni-Co trimetallic carbonate hydroxide nanothorns branched on Cu(OH) ₂ nanorods array based on Cu foam for high-performance asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2019 , 437, 2268-2277	8.9	71
261	A screening approach for assessing lytic polysaccharide monooxygenase activity in fungal strains. <i>Biotechnology for Biofuels</i> , 2019 , 12, 185	7.8	10
260	Polydatin-fatty acid conjugates are effective antioxidants for stabilizing omega 3-containing bulk fish oil and fish oil emulsions. <i>Food Chemistry</i> , 2019 , 301, 125297	8.5	10
259	Marine Fungi as a Potential Source of Future Cosmeceuticals 2019 , 627-669		0
258	Enzymatic Production of Antioxidants and Their Applications 2019 , 92-96		2
257	Investigation of oil distribution in spray-dried chia seed oil microcapsules using synchrotron-FTIR microspectroscopy. <i>Food Chemistry</i> , 2019 , 275, 457-466	8.5	26
256	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> , 2019 , 7, 100138	4.1	7
255	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. <i>ACS Nano</i> , 2019 , 13, 1394-1402	16.7	27
254	Complex coacervation: Principles, mechanisms and applications in microencapsulation. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 1276-1286	7.9	182
253	The TiO (B) nano-belts with excellent performance prepared via alkaline stirring hydrothermal method and its application to remove 17 β -ethynylestradiol. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 34018-34026	5.1	6

252	A simplified method for active-site titration of lipases immobilised on hydrophobic supports. <i>Enzyme and Microbial Technology</i> , 2018 , 113, 18-23	3.8	5
251	Gypenosides as natural emulsifiers for oil-in-water nanoemulsions loaded with astaxanthin: Insights of formulation, stability and release properties. <i>Food Chemistry</i> , 2018 , 261, 322-328	8.5	35
250	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> , 2018 , 93, 3018-3027	3.5	1
249	Controlling enzyme function through immobilisation on graphene, graphene derivatives and other two dimensional nanomaterials. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 3200-3218	7.3	32
248	Formulation and characterization of astaxanthin-enriched nanoemulsions stabilized using ginseng saponins as natural emulsifiers. <i>Food Chemistry</i> , 2018 , 255, 67-74	8.5	55
247	Large and Small Assembly: Combining Functional Macromolecules with Small Peptides to Control the Morphology of Skeletal Muscle Progenitor Cells. <i>Biomacromolecules</i> , 2018 , 19, 825-837	6.9	21
246	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> , 2018 , 6, 1251-1259	7.3	18
245	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> , 2018 , 266, 400-407	8.5	40
244	An <i>Aspergillus aculeatus</i> strain was capable of producing agriculturally useful nanoparticles via bioremediation of iron ore tailings. <i>Journal of Environmental Management</i> , 2018 , 215, 100-107	7.9	12
243	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> , 2018 , 71, 121-131	15.3	66
242	Development of a novel myconanominating approach for the recovery of agriculturally important elements from jarosite waste. <i>Journal of Environmental Sciences</i> , 2018 , 67, 356-367	6.4	8
241	Lipase-Produced Hydroxytyrosyl Eicosapentaenoate is an Excellent Antioxidant for the Stabilization of Omega-3 Bulk Oils, Emulsions and Microcapsules. <i>Molecules</i> , 2018 , 23,	4.8	25
240	Bioethanol production by a xylan fermenting thermophilic isolate <i>Clostridium</i> strain DBT-IOC-DC21. <i>Anaerobe</i> , 2018 , 51, 89-98	2.8	6
239	Bioethanol production potential of a novel thermophilic isolate <i>Thermoanaerobacter</i> sp. DBT-IOC-X2 isolated from Chumathang hot spring. <i>Biomass and Bioenergy</i> , 2018 , 116, 122-130	5.3	9
238	Enhanced cellulosic ethanol production via consolidated bioprocessing by <i>Clostridium thermocellum</i> ATCC 31924?. <i>Bioresource Technology</i> , 2018 , 250, 860-867	11	36
237	Soy flour as an alternative to purified lipoxygenase for the enzymatic synthesis of resolvin analogues. <i>New Biotechnology</i> , 2018 , 41, 25-33	6.4	4
236	Marine fungi: An untapped bioresource for future cosmeceuticals. <i>Phytochemistry Letters</i> , 2018 , 23, 15-20.	9	38
235	In-vitro evaluation of marine derived fungi against <i>Cutibacterium acnes</i> . <i>Anaerobe</i> , 2018 , 49, 5-13	2.8	11

234	Compositional Information Useful for Authentication of Krill Oil and the Detection of Adulterants. <i>Food Analytical Methods</i> , 2018 , 11, 178-187	3.4	13
233	A sensitive electrochemical assay for T4 polynucleotide kinase activity based on titanium dioxide nanotubes and a rolling circle amplification strategy.. <i>RSC Advances</i> , 2018 , 8, 38436-38444	3.7	5
232	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> , 2018 , 10,	4.5	18
231	Detection of biogenic amines in pet food ingredients by RP-HPLC with automated dansyl chloride derivatization. <i>Journal of Separation Science</i> , 2018 , 41, 4430-4436	3.4	11
230	Quantifying Graphene Oxide Reduction Using Spectroscopic Techniques: A Chemometric Analysis. <i>Applied Spectroscopy</i> , 2018 , 72, 1764-1773	3.1	4
229	Simultaneously 'pushing' and 'pulling' graphene oxide into low-polar solvents through a designed interface. <i>Nanotechnology</i> , 2018 , 29, 315707	3.4	4
228	In situ generation of CoS _{1.097} 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> , 2018 , 6, 11966-11977	13	40
227	Coacervation Technique as an Encapsulation and Delivery Tool for Hydrophobic Biofunctional Compounds 2018 , 235-261		2
226	Reverse micelle formation in vegetable oil, 1-butanol and diesel biofuel blends \Rightarrow Elimination of need for transesterification of triglycerides. <i>Renewable Energy Focus</i> , 2018 , 25, 57-64	5.4	2
225	Digestion behaviour of chia seed oil encapsulated in chia seed protein-gum complex coacervates. <i>Food Hydrocolloids</i> , 2017 , 66, 71-81	10.6	40
224	In-vitro digestion of probiotic bacteria and omega-3 oil co-microencapsulated in whey protein isolate-gum Arabic complex coacervates. <i>Food Chemistry</i> , 2017 , 227, 129-136	8.5	50
223	Direct transfer of graphene and application in low-voltage hybrid transistors. <i>RSC Advances</i> , 2017 , 7, 2172-2179	3.7	10
222	Candida antarctica lipase A effectively concentrates DHA from fish and thraustochytrid oils. <i>Food Chemistry</i> , 2017 , 229, 509-516	8.5	30
221	Electrochemical Evidences of Chiral Molecule Recognition Using L/D-Cysteine Modified Gold Electrodes. <i>Electrochimica Acta</i> , 2017 , 237, 22-28	6.7	24
220	Evaluation of cell disruption method for lipase extraction from novel thraustochytrids. <i>Algal Research</i> , 2017 , 25, 62-67	5	2
219	Tween 80 influences the production of intracellular lipase by Schizochytrium S31 in a stirred tank reactor. <i>Process Biochemistry</i> , 2017 , 53, 30-35	4.8	6
218	Microencapsulation of lipase produced omega-3 concentrates resulted in complex coacervates with unexpectedly high oxidative stability. <i>Journal of Functional Foods</i> , 2017 , 35, 499-506	5.1	20
217	Bisphenol A removal on TiO ₂ MoS ₂ reduced graphene oxide composite by adsorption and photocatalysis. <i>Chemical Engineering Research and Design</i> , 2017 , 112, 274-279	5.5	22

216	Formulation and characterization of O/W nanoemulsions encapsulating high concentration of astaxanthin. <i>Food Research International</i> , 2017 , 102, 364-371	7	55
215	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> , 2017 , 157, 355-365	6	28
214	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. <i>Chemistry - A European Journal</i> , 2017 , 23, 304-311	4.8	40
213	Graphene-Oxide-Based Enzyme Nanoarchitectonics for Substrate Channeling. <i>Chemistry - A European Journal</i> , 2017 , 23, 223-223	4.8	
212	Colorimetric semi-quantitative measurement of pyrophosphate by functionalised SPPS resin in biological media. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 761-764	8.5	7
211	Preparation and study of digestion behavior of lactoferrin-sodium alginate complex coacervates. <i>Journal of Functional Foods</i> , 2017 , 37, 97-106	5.1	23
210	Characterization and Molecular Mechanism of Peptide-Conjugated Gold Nanoparticle Inhibiting p53-HDM2 Interaction in Retinoblastoma. <i>Molecular Therapy - Nucleic Acids</i> , 2017 , 9, 349-364	10.7	10
209	Facile Control over the Supramolecular Ordering of Self-assembled Peptide Scaffolds by Simultaneous Assembly with a Polysaccharide. <i>Scientific Reports</i> , 2017 , 7, 4797	4.9	17
208	Cellulosic ethanol production via consolidated bioprocessing by a novel thermophilic anaerobic bacterium isolated from a Himalayan hot spring. <i>Biotechnology for Biofuels</i> , 2017 , 10, 73	7.8	42
207	Effect of extraction temperature on composition, structure and functional properties of flaxseed gum. <i>Food Chemistry</i> , 2017 , 215, 333-40	8.5	53
206	Chasing the personalized medicine dream through biomarker validation in colorectal cancer. <i>Drug Discovery Today</i> , 2017 , 22, 111-119	8.8	19
205	Bioprocessing of Plant-Derived Bioactive Phenolic Compounds 2017 , 135-181		3
204	Nonribosomal Peptides from Marine Microbes and Their Antimicrobial and Anticancer Potential. <i>Frontiers in Pharmacology</i> , 2017 , 8, 828	5.6	77
203	Progress on Based Biopesticides in Replacing Synthetic Toxic Pesticides. <i>Frontiers in Plant Science</i> , 2017 , 8, 610	6.2	94
202	Recent trends in nanomaterials immobilised enzymes for biofuel production. <i>Critical Reviews in Biotechnology</i> , 2016 , 36, 108-19	9.4	136
201	Hg ²⁺ -selective fluorescent probe based on rhodamine 6G and its application in aqueous media. <i>Desalination and Water Treatment</i> , 2016 , 57, 29434-29438		
200	4-Hydroxy-N-propyl-1,8-naphthalimide esters: New fluorescence-based assay for analysing lipase and esterase activity. <i>Biochimie</i> , 2016 , 128-129, 127-32	4.6	12
199	Electrochemical synthesis of fractal bimetallic Cu/Ag nanodendrites for efficient surface enhanced Raman spectroscopy. <i>Chemical Communications</i> , 2016 , 52, 10968-71	5.8	46

198	Controllable graphene oxide mediated efficient electron transfer pathways across self-assembly monolayers: A new class of graphene based electrodes. <i>Electrochimica Acta</i> , 2016 , 210, 539-547	6.7	4
197	Photocatalytic degradation of bisphenol A by HMS/g-C ₃ N ₄ composite. <i>Desalination and Water Treatment</i> , 2016 , 57, 29509-29516		2
196	Physicochemical and functional properties of protein isolate produced from Australian chia seeds. <i>Food Chemistry</i> , 2016 , 212, 648-56	8.5	85
195	Preparation and characterization of the hydrogen storage activated carbon from coffee shell by microwave irradiation and KOH activation. <i>International Biodeterioration and Biodegradation</i> , 2016 , 113, 386-390	4.8	25
194	Lipid profiles, in vitro digestion and oxidative stability of mutton bird oil. <i>Journal of Food Science and Technology</i> , 2016 , 53, 1230-7	3.3	4
193	Microencapsulation of chia seed oil using chia seed protein isolate-chia seed gum complex coacervates. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 347-57	7.9	101
192	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> , 2016 , 7, 1	7.9	26
191	Opening Lids: Modulation of Lipase Immobilization by Graphene Oxides. <i>ACS Catalysis</i> , 2016 , 6, 4760-4768	8.1	103
190	Exploring omega-3 fatty acids, enzymes and biodiesel producing thraustochytrids from Australian and Indian marine biodiversity. <i>Biotechnology Journal</i> , 2016 , 11, 345-55	5.6	30
189	Understanding physicochemical changes in pretreated and enzyme hydrolysed hemp (<i>Cannabis sativa</i>) biomass for biorefinery development. <i>Biomass Conversion and Biorefinery</i> , 2016 , 6, 127-138	2.3	6
188	The isolation and identification of new microalgal strains producing oil and carotenoid simultaneously with biofuel potential. <i>Bioresource Technology</i> , 2016 , 211, 556-65	11	50
187	Synthesis of N-substituted 4-hydroxynaphthalimides using palladium-catalysed hydroxylation. <i>Dyes and Pigments</i> , 2016 , 126, 118-120	4.6	15
186	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> , 2016 , 15, 202-209	5	16
185	Survival, oxidative stability, and surface characteristics of spray dried co-microcapsules containing omega-3 fatty acids and probiotic bacteria. <i>Drying Technology</i> , 2016 , 34, 1926-1935	2.6	13
184	Coassembled nanostructured bioscaffold reduces the expression of proinflammatory cytokines to induce apoptosis in epithelial cancer cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 1397-407	6	32
183	Preparation, characterization and functional properties of flax seed protein isolate. <i>Food Chemistry</i> , 2016 , 197, 212-20	8.5	110
182	Bead milling for lipid recovery from thraustochytrid cells and selective hydrolysis of Schizochytrium DT3 oil using lipase. <i>Bioresource Technology</i> , 2016 , 200, 464-9	11	32
181	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> , 2016 , 17, 220	6.3	5

180	Selective Enrichment of Omega-3 Fatty Acids in Oils by Phospholipase A1. <i>PLoS ONE</i> , 2016 , 11, e0151370.	5.7	13
179	Molecular Characterization of Nanoimmobilized Cellulase in Facilitating Pretreatment of Lignocellulosic Biomass 2016 , 141-149		1
178	A Review on the Assessment of Stress Conditions for Simultaneous Production of Microalgal Lipids and Carotenoids. <i>Frontiers in Microbiology</i> , 2016 , 7, 546	5.7	237
177	Studies to Prevent Degradation of Recombinant Fc-Fusion Protein Expressed in Mammalian Cell Line and Protein Characterization. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	15
176	Preparation and adsorption of phosphorus by new heteropolyacid salt/lanthanum oxide composites. <i>Desalination and Water Treatment</i> , 2016 , 57, 7874-7880		3
175	Microencapsulation of flaxseed oil in flaxseed protein and flaxseed gum complex coacervates. <i>Food Research International</i> , 2016 , 86, 1-8	7	54
174	A quick colorimetric method for total lipid quantification in microalgae. <i>Journal of Microbiological Methods</i> , 2016 , 125, 28-32	2.8	43
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20	Potent new cell adhesion inhibitory compounds from the root of Trichilia rubra. <i>Tetrahedron</i> , 1994 , 50, 11369-11378	2.4	33
19	Cucurbitacins, cell adhesion inhibitors from Conocarpus scoparioides. <i>Journal of Natural Products</i> , 1994 , 57, 1498-502	4.9	47

18	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> , 1994 , 37, 356-63	8.3	18
17	Spiroquinazoline, a novel substance P inhibitor with a new carbon skeleton, isolated from <i>Aspergillus flavipes</i> . <i>Journal of Natural Products</i> , 1994 , 57, 471-6	4.9	88
16	1'-(2-Phenyl-ethylene)-ditryptophenaline, a new dimeric diketopiperazine from <i>Aspergillus flavus</i> . <i>Journal of Natural Products</i> , 1994 , 57, 1239-44	4.9	27
15	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. I. Fermentation and isolation. <i>Journal of Antibiotics</i> , 1994 , 47, 391-8	3.7	29
14	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. III. Biosynthetic analogs. <i>Journal of Antibiotics</i> , 1994 , 47, 411-9	3.7	34
13	Benzomalvins, new substance P inhibitors from a <i>Penicillium</i> sp. <i>Journal of Antibiotics</i> , 1994 , 47, 515-22	3.7	59
12	WIN 64821, a novel neurokinin antagonist produced by an <i>Aspergillus</i> sp. II. Biological activity. <i>Journal of Antibiotics</i> , 1994 , 47, 399-410	3.7	29
11	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> , 1993 , 58, 6016-6021	4.2	86
10	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> , 1992 , 225, 1075-93	6.5	581
9	Autooxidation Studies on the Marine Sesterterpene Tetronic Acid, Variabilin. <i>Journal of Natural Products</i> , 1989 , 52, 346-359	4.9	31
8	Reactions of benzyl carbinols with fluorosulfuric acid. <i>Journal of Organic Chemistry</i> , 1989 , 54, 2542-2549	4.2	12
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6	Variabilin and Related Compounds from a Sponge of the Genus <i>Sarcotragus</i> . <i>Journal of Natural Products</i> , 1988 , 51, 275-281	4.9	46
5	The study on triazophos adsorption behavior on the multi-walled carbon nanotubes	96, 97-103	4
4	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
3	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
2	Impact of processing and storage on protein digestibility and bioavailability of legumes. <i>Food Reviews International</i> ,	1-28	5.5 6
1	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

