

Richard David Webster

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.

254
papers

7,428
citations

46
h-index

72
g-index

276
ext. papers

8,654
ext. citations

7
avg, IF

6.38
L-index

#	Paper	IF	Citations
254	Synthesis, Optical and Electrochemical Properties of Isomeric Dibenzophenanthroline Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2022 , 11, e202100670	3	
253	Group VIII Metal Carbonyl Cluster-Boronic Acid Conjugates: Cytotoxicity and Mode of Action Studies. <i>ACS Omega</i> , 2021 , 6, 29045-29053	3.9	0
252	Oxidation of Capsaicin in Acetonitrile in Dry and Wet Conditions. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 903, 115838	4.1	1
251	Magnetically Directed Co-nanoinitiators for Cross-Linking Adhesives and Enhancing Mechanical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 57851-57863	9.5	0
250	Cobalt oxide decorated zirconium oxide immobilized multiwalled carbon nanotubes as scaffolds for supercapacitors and the CO ₂ reduction reaction. <i>Journal of Energy Storage</i> , 2021 , 44, 103312	7.8	2
249	Electrochemical and reactions mechanisms in the minimization of toxic elements transfer from mine-wastes into the ecosystem. <i>Electrochimica Acta</i> , 2021 , 388, 138610	6.7	0
248	Experimental Reasons for the Variable Efficiencies of Organic Electrocatalysts Used for Converting Carbon Dioxide to Methanol. <i>ChemElectroChem</i> , 2021 , 8, 2075-2086	4.3	1
247	Competition between Reversible Capture of CO ₂ and Release of CO ₂ Using Electrochemically Reduced Quinones in Acetonitrile Solutions. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 11916-11927	3.8	1
246	Precise Control of Diazirine Reduction to Tune the Mechanical Properties of Electrocurcuring Adhesives. <i>ChemElectroChem</i> , 2021 , 8, 2715-2725	4.3	1
245	Comparison of soluble microbial product (SMP) production in full-scale anaerobic/aerobic industrial wastewater treatment and a laboratory based synthetic feed anaerobic membrane system. <i>Science of the Total Environment</i> , 2021 , 754, 142173	10.2	7
244	Vanadium Dopants: A Boon or a Bane for Molybdenum Dichalcogenides-Based Electrocatalysis Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2009083	15.6	7
243	Surface modifications of carbon nanodots reveal the chemical source of their bright fluorescence. <i>Nanoscale Advances</i> , 2021 , 3, 716-724	5.1	7
242	Active and passive adsorption of 47 trace atmospheric volatile organic compounds onto carbon nanotubes.. <i>RSC Advances</i> , 2021 , 11, 29913-29919	3.7	0
241	Functionalized 2D Germanene and Silicene Enzymatic System. <i>Advanced Functional Materials</i> , 2021 , 31, 2011125	15.6	10
240	Synthesis of 5-Azatetracene and Comparison of Its Optical and Electrochemical Properties with Tetracene. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 2571	3	3
239	Enhanced graphitic domains of unreduced graphene oxide and the interplay of hydration behaviour and catalytic activity. <i>Materials Today</i> , 2021 , 50, 44-44	21.8	6
238	Synthesis of azahelicenes through Mallory reaction of imine precursors: corannulene substrates provide an exception to the rule in oxidative photocyclizations of diarylethenes. <i>Chemical Science</i> , 2021 , 12, 3977-3983	9.4	5

237	Optimizing the Reduction Potential of Sulfonamides on Polyamidoamine Dendrimers. <i>ChemElectroChem</i> , 2020 , 7, 4979-4984	4.3	0
236	Corrosion of light powered Pt/TiO ₂ microrobots. <i>Applied Materials Today</i> , 2020 , 20, 100659	6.6	5
235	A highly sensitive enzyme-less glucose sensor based on prnctogens and silver shell-gold core nanorod composites. <i>Chemical Communications</i> , 2020 , 56, 7909-7912	5.8	9
234	Effect of biogenic jarosite on the bio-immobilization of toxic elements from sulfide tailings. <i>Chemosphere</i> , 2020 , 258, 127288	8.4	11
233	Layered platinum dichalcogenides (PtS ₂ , PtSe ₂ , PtTe ₂) for non-enzymatic electrochemical sensor. <i>Applied Materials Today</i> , 2020 , 19, 100606	6.6	6
232	Microrobots Derived from Variety Plant Pollen Grains for Efficient Environmental Clean Up and as an Anti-Cancer Drug Carrier. <i>Advanced Functional Materials</i> , 2020 , 30, 2000112	15.6	29
231	Identification of the production and biotransformational changes of soluble microbial products (SMP) in wastewater treatment processes: A short review. <i>Chemosphere</i> , 2020 , 251, 126391	8.4	21
230	Homogeneous electron-transfer reaction between anionic species of anthraquinone derivatives and molecular oxygen in acetonitrile solutions: Electrochemical properties of disperse red 60. <i>Electrochimica Acta</i> , 2020 , 354, 136601	6.7	1
229	3D printing for aqueous and non-aqueous redox flow batteries. <i>Current Opinion in Electrochemistry</i> , 2020 , 20, 28-35	7.2	18
228	Niobium-doped TiS: Formation of TiS nanobelts and their effects in enzymatic biosensors. <i>Biosensors and Bioelectronics</i> , 2020 , 155, 112114	11.8	13
227	Synergistic Voltagluue Adhesive Mechanisms with Alternating Electric Fields. <i>Chemistry of Materials</i> , 2020 , 32, 2440-2449	9.6	13
226	MXene Titanium Carbide-based Biosensor: Strong Dependence of Exfoliation Method on Performance. <i>Analytical Chemistry</i> , 2020 , 92, 2452-2459	7.8	75
225	Corannulene-Based Electron Acceptors: Combining Modular and Practical Synthesis with Electron Affinity and Solubility. <i>Chemistry - A European Journal</i> , 2020 , 26, 3231-3235	4.8	5
224	Composition and biotransformational changes in soluble microbial products (SMPs) along an anaerobic baffled reactor (ABR). <i>Chemosphere</i> , 2020 , 254, 126775	8.4	14
223	Siloxene, Germanane, and Methylgermanane: Functionalized 2D Materials of Group 14 for Electrochemical Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 1910186	15.6	19
222	Biotransformation of phosphorus in enhanced biological phosphorus removal sludge biochar. <i>Water Research</i> , 2020 , 169, 115255	12.5	11
221	Tailoring Metal/TiO ₂ Interface to Influence Motion of Light-Activated Janus Micromotors. <i>Advanced Functional Materials</i> , 2020 , 30, 1908614	15.6	39
220	Electrochemically driven multi-material 3D-printing. <i>Applied Materials Today</i> , 2020 , 18, 100530	6.6	10

219	Facile synthesis of pure g-C ₃ N ₄ materials for peroxymonosulfate activation to degrade bisphenol A: Effects of precursors and annealing ambience on catalytic oxidation. <i>Chemical Engineering Journal</i> , 2020 , 387, 123726	14.7	47
218	3D-printing for electrolytic processes and electrochemical flow systems. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 21902-21929	13	14
217	Arsenene nanomotors as anticancer drug carrier. <i>Applied Materials Today</i> , 2020 , 21, 100819	6.6	7
216	Accelerated corrosion of marine-grade steel by a redox-active, cysteine-rich barnacle cement protein. <i>Npj Materials Degradation</i> , 2020 , 4,	5.7	3
215	Electrografting of Sterically Bulky Tetramethylaniline Groups on Glassy Carbon Electrodes through Aryldiazonium Chemistry: Reasons for the Formation of Multilayers. <i>ChemElectroChem</i> , 2020 , 7, 3368-3380	4.3	2
214	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21620-21626	16.4	17
213	Mechanochemical Synthesis of Corannulene-Based Curved Nanographenes. <i>Angewandte Chemie</i> , 2020 , 132, 21804-21810	3.6	6
212	Voltammetric studies on surface-modified electrodes with functionalised carbon nanotubes under different dispersion conditions. <i>Electrochimica Acta</i> , 2020 , 357, 136880	6.7	7
211	Surface construction of nitrogen-doped chitosan-derived carbon nanosheets with hierarchically porous structure for enhanced sulfacetamide degradation via peroxymonosulfate activation: Maneuverable porosity and active sites. <i>Chemical Engineering Journal</i> , 2020 , 382, 122908	14.7	34
210	Functional 2D Germanene Fluorescent Coating of Microrobots for Micromachines Multiplexing. <i>Small</i> , 2020 , 16, e1902365	11	21
209	MAX and MAB Phases: Two-Dimensional Layered Carbide and Boride Nanomaterials for Electrochemical Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6010-6021	5.6	25
208	Tuning the reduction potential of quinones by controlling the effects of hydrogen bonding, protonation and proton-coupled electron transfer reactions. <i>Chemical Communications</i> , 2019 , 55, 2277-2280	5.8	11
207	Voltagluce Electroceutical Adhesive Patches for Localized Voltage Stimulation.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2633-2642	4.1	12
206	Substantially higher concentrations of mercury are detected in airborne particulate matter when using a preservation agent during sample preparation steps. <i>Environmental Pollution</i> , 2019 , 252, 637-643	9.3	2
205	3D-printed Ag/AgCl pseudo-reference electrodes. <i>Electrochemistry Communications</i> , 2019 , 103, 104-108	5.1	40
204	Polyacrylonitrile (PAN)-induced carbon membrane with in-situ encapsulated cobalt crystal for hybrid peroxymonosulfate oxidation-filtration process: Preparation, characterization and performance evaluation. <i>Chemical Engineering Journal</i> , 2019 , 373, 425-436	14.7	21
203	Voltammetric applications of hydrogen bonding and proton-coupled electron transfer reactions of organic molecules. <i>Current Opinion in Electrochemistry</i> , 2019 , 15, 27-33	7.2	4
202	Group VIII carbamoyl complexes as catalysts for alkyne hydrocarboxylation and electrochemical proton reduction. <i>Journal of Organometallic Chemistry</i> , 2019 , 889, 40-44	2.3	5

201	Cloisite Microrobots as Self-Propelling Cleaners for Fast and Efficient Removal of Improvised Organophosphate Nerve Agents. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31832-31843	9.5	12
200	A general approach to non-fullerene electron acceptors based on the corannulene motif. <i>Chemical Communications</i> , 2019 , 55, 3113-3116	5.8	13
199	A vitamin-based voltammetric pH sensor that functions in buffered and unbuffered media. <i>Sensors and Actuators B: Chemical</i> , 2019 , 283, 495-503	8.5	4
198	Elucidation of stoichiometric efficiency, radical generation and transformation pathway during catalytic oxidation of sulfamethoxazole via peroxymonosulfate activation. <i>Water Research</i> , 2019 , 151, 64-74	12.5	76
197	Electrochemical Oxidation of the Phenolic Benzotriazoles UV-234 and UV-327 in Organic Solvents. <i>ChemElectroChem</i> , 2019 , 6, 4297-4306	4.3	2
196	Photochemical Synthesis and Electronic Properties of Extended Corannulenes with Variable Fluorination Pattern. <i>Journal of Organic Chemistry</i> , 2018 , 83, 3529-3536	4.2	13
195	A Crystalline Diazadiborinine Radical Cation and Its Boron-Centered Radical Reactivity. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 7826-7829	16.4	27
194	Insights into the thermolytic transformation of lignocellulosic biomass waste to redox-active carbocatalyst: Durability of surface active sites. <i>Applied Catalysis B: Environmental</i> , 2018 , 233, 120-129	21.8	106
193	Urea-assisted one-step synthesis of cobalt ferrite impregnated ceramic membrane for sulfamethoxazole degradation via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2018 , 343, 737-747	14.7	65
192	Surface-nucleated heterogeneous growth of zeolitic imidazolate framework: A unique precursor towards catalytic ceramic membranes: Synthesis, characterization and organics degradation. <i>Chemical Engineering Journal</i> , 2018 , 353, 69-79	14.7	57
191	Voltage-Activated Adhesion through Donor-Acceptor Dendrimers. <i>Macromolecules</i> , 2018 , 51, 6661-6672	5.5	17
190	Comparing the Relative Reactivities of Structurally Varied Alcohols toward Electrochemically Generated Superoxide. <i>ChemElectroChem</i> , 2018 , 5, 643-650	4.3	3
189	Enhancing sulfacetamide degradation by peroxymonosulfate activation with N-doped graphene produced through delicately-controlled nitrogen functionalization via tweaking thermal annealing processes. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 243-257	21.8	208
188	Voltagluce Bioadhesives Energized with Interdigitated 3D-Graphene Electrodes. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800538	10.1	21
187	Stibine-protected Au nanoclusters: syntheses, properties and facile conversion to GSH-protected Au nanocluster. <i>Chemical Science</i> , 2018 , 9, 8723-8730	9.4	26
186	Quantification of capsaicinoids in chillies by solid-phase extraction coupled with voltammetry. <i>Food Chemistry</i> , 2018 , 265, 152-158	8.5	10
185	Palladium-Catalyzed Intermolecular Heck-Type Reaction of Epoxides. <i>ACS Catalysis</i> , 2018 , 8, 7439-7444	13.1	19
184	Monitoring fouling behavior of reverse osmosis membranes using electrical impedance spectroscopy: A field trial study. <i>Desalination</i> , 2017 , 407, 75-84	10.3	28

183	Comparing the Relative Reactivities of Food and Vitamin Molecules Toward Electrochemically Generated Superoxide in Dimethylformamide. <i>ChemElectroChem</i> , 2017 , 4, 1190-1198	4.3	6
182	The electrochemical reduction of di-(2-ethylhexyl) phthalate (DEHP) in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 794, 103-111	4.1	3
181	Closed vessel microwave digestion of air filters for measurements of elemental iodine. <i>Analytical Methods</i> , 2017 , 9, 2909-2914	3.2	
180	Direct Visible-Light-Excited Asymmetric Lewis Acid Catalysis of Intermolecular [2+2] Photocycloadditions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9120-9123	16.4	147
179	The electrochemical oxidation of diethylstilbestrol (DES) in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 92-101	4.1	6
178	Using Voltammetry to Measure the Relative Hydrogen-Bonding Strengths of Pyridine and Its Derivatives in Acetonitrile. <i>ChemPhysChem</i> , 2017 , 18, 2250-2257	3.2	5
177	Removal of volatile organic compounds (VOCs) from water using mixtures of olive oil, lecithin, and vitamin E as phase transfer agents. <i>Journal of Water Process Engineering</i> , 2017 , 18, 58-64	6.7	3
176	Novel carboxylated graphene oxide-CuS-Ag nanocomposite glass coating for organic degradation under solar light. <i>Journal of Chemical Technology and Biotechnology</i> , 2017 , 92, 2626-2634	3.5	6
175	Revisiting the mechanism of hexavalent chromium ion reduction: The parallel photodecomposition and photocatalytic reduction of chromate(VI) ester. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 444-453	21.8	15
174	Ultrathin g-C ₃ N ₄ nanosheets with hexagonal CuS nanoplates as a novel composite photocatalyst under solar light irradiation for H ₂ production. <i>Catalysis Science and Technology</i> , 2017 , 7, 2050-2056	5.5	40
173	Trimerization of enones under air enabled by NHC/NaOtBu via a SET radical pathway. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 467-471	5.2	9
172	Effect of Synthesis Method on the Nanostructure and Solar-Driven Photocatalytic Properties of TiO ₂ -CuS Composites. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 1347-1357	8.3	30
171	The Dual Roles of Phenylenediamines: Using their Voltammetric Behavior to Measure the Hydrogen Donor and Acceptor Abilities of Alcohols in Acetonitrile. <i>ChemPhysChem</i> , 2017 , 18, 3562-3569	3.2	2
170	Tetrathiafulvalene aids in the atomic spectroscopic determination of total mercury. <i>Analytica Chimica Acta</i> , 2017 , 992, 24-33	6.6	2
169	Combining the catalytic enantioselective reaction of visible-light-generated radicals with a by-product utilization system. <i>Chemical Science</i> , 2017 , 8, 7126-7131	9.4	49
168	Regional transport, source apportionment and health impact of PM bound polycyclic aromatic hydrocarbons in Singapore's atmosphere. <i>Environmental Pollution</i> , 2017 , 229, 984-993	9.3	41
167	Electrochemical production of lactic acid from glycerol oxidation catalyzed by AuPt nanoparticles. <i>Journal of Catalysis</i> , 2017 , 356, 14-21	7.3	75
166	A rapid method for quantifying ²³⁸ Pu in the presence of natural ²³⁸ U via quadrupole inductively coupled plasma mass spectrometry (ICP-MS) and utilizing a resin-based extraction procedure. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017 , 314, 1347-1351	1.5	4

165	Sulfoxidation of alkenes and alkynes with NFSI as a radical initiator and selective oxidant. <i>Chemical Communications</i> , 2016 , 53, 184-187	5.8	26
164	Asymmetric Catalysis with Organic Azides and Diazo Compounds Initiated by Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12636-42	16.4	118
163	High nuclearity carbonyl clusters as near-IR contrast agents for photoacoustic in vivo imaging. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3886-3891	7.3	4
162	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie</i> , 2016 , 128, 9462-9466	3.6	15
161	Carbene-catalysed reductive coupling of nitrobenzyl bromides and activated ketones or imines via single-electron-transfer process. <i>Nature Communications</i> , 2016 , 7, 12933	17.4	52
160	Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 6956-6961	3.6	9
159	Theoretical Modelling and Facile Synthesis of a Highly Active Boron-Doped Palladium Catalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6842-7	16.4	67
158	Ball-milled sulfur-doped graphene materials contain metallic impurities originating from ball-milling apparatus: their influence on the catalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 17875-80	3.6	31
157	The Electrochemical Study of Vanillin in Acetonitrile. <i>Electrochimica Acta</i> , 2016 , 211, 533-544	6.7	8
156	A threshold flux phenomenon for colloidal fouling in reverse osmosis characterized by transmembrane pressure and electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2016 , 500, 55-65	9.6	32
155	Using voltammetry to measure hydrogen-bonding interactions in non-aqueous solvents: A mini-review. <i>Electrochemistry Communications</i> , 2016 , 62, 38-43	5.1	14
154	Studies on the electrochemical reduction and coupled homogeneous reactions of cinnamaldehyde in acetonitrile. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 779, 220-228	4.1	7
153	The electrochemical reduction of carbon dioxide (CO ₂) to methanol in the presence of pyridoxine (vitamin B ₆). <i>Electrochemistry Communications</i> , 2016 , 64, 69-73	5.1	30
152	A highly active Pd-P nanoparticle electrocatalyst for enhanced formic acid oxidation synthesized via stepwise electroless deposition. <i>Chemical Communications</i> , 2016 , 52, 3556-9	5.8	39
151	Remarkable electrochemical properties of electrochemically reduced graphene oxide towards oxygen reduction reaction are caused by residual metal-based impurities. <i>Electrochemistry Communications</i> , 2016 , 62, 17-20	5.1	27
150	Mercury isotopes of atmospheric particle bound mercury for source apportionment study in urban Kolkata, India. <i>Elementa</i> , 2016 , 4,	3.6	25
149	Solid Phase Extraction \square Voltammetric Coupled Detection of Caffeine in Acetonitrile. <i>Electroanalysis</i> , 2016 , 28, 516-522	3	6
148	In-situ monitoring of biofouling on reverse osmosis membranes: Detection and mechanistic study using electrical impedance spectroscopy. <i>Journal of Membrane Science</i> , 2016 , 518, 229-242	9.6	37

147	Anthropogenic platinum group element (Pt, Pd, Rh) concentrations in PM10 and PM2.5 from Kolkata, India. <i>SpringerPlus</i> , 2016 , 5, 1242		14
146	Near infrared light-mediated photoactivation of cytotoxic Re(i) complexes by using lanthanide-doped upconversion nanoparticles. <i>Dalton Transactions</i> , 2016 , 45, 14101-14108	4.3	24
145	Comparative evaluation of iodoacids removal by UV/persulfate and UV/H ₂ O ₂ processes. <i>Water Research</i> , 2016 , 102, 629-639	12.5	147
144	Impurities in Nitrile Solvents Commonly Used for Electrochemistry, and their Effects on Voltammetric Data. <i>ChemElectroChem</i> , 2016 , 3, 1753-1759	4.3	2
143	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9316-20	16.4	48
142	Electrochemical Study of Pyridoxine (Vitamin B6) in Acetonitrile. <i>ChemElectroChem</i> , 2015 , 2, 412-420	4.3	5
141	Annual air pollution caused by the Hungry Ghost Festival. <i>Environmental Sciences: Processes and Impacts</i> , 2015 , 17, 1578-86	4.3	13
140	Kinetic modeling and energy efficiency of UV/H ₂ O ₂ treatment of iodinated trihalomethanes. <i>Water Research</i> , 2015 , 75, 259-69	12.5	60
139	Human transport protein carrier for controlled photoactivation of antitumor prodrug and real-time intracellular tumor imaging. <i>Bioconjugate Chemistry</i> , 2015 , 26, 955-61	6.3	38
138	The Electrochemical Oxidation of Sesamol in Acetonitrile Containing Variable Amounts of Water. <i>Electrochimica Acta</i> , 2015 , 184, 392-402	6.7	13
137	Optimizing the lifetimes of phenoxonium cations derived from vitamin E via structural modifications. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 11732-9	3.9	3
136	A facilely synthesized highly active Pd nanoparticle electrocatalyst for electroless deposition process. <i>RSC Advances</i> , 2015 , 5, 88805-88808	3.7	8
135	Synthesis and electronic properties of Extended flavins. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10198-204	3.9	4
134	Adhesive curing through low-voltage activation. <i>Nature Communications</i> , 2015 , 6, 8050	17.4	44
133	Measuring the relative hydrogen-bonding strengths of alcohols in aprotic organic solvents. <i>ChemPhysChem</i> , 2015 , 16, 160-8	3.2	18
132	Copper hydrotris(3,5-diphenylpyrazolyl)borate dithiocarbamates: mimicking green copper proteins. <i>New Journal of Chemistry</i> , 2015 , 39, 1498-1505	3.6	3
131	Electrochemical Modeling of Biological Processes 2015 , 1543-1567		
130	Electrochemical proton reduction catalysed by selenolato-manganese carbonyl complexes. <i>RSC Advances</i> , 2015 , 5, 39303-39309	3.7	10

129	Assessments of Surface Coverage after Nanomaterials are Drop Cast onto Electrodes for Electroanalytical Applications. <i>ChemElectroChem</i> , 2015 , 2, 1003-1009	4.3	15
128	Interplay of hole transfer and host-guest interaction in a molecular dyad and triad: ensemble and single-molecule spectroscopy and sensing applications. <i>Chemistry - A European Journal</i> , 2015 , 21, 3387-98	4.8	6
127	So-Called Metal-Free Oxygen Reduction at Graphene Nanoribbons is in fact Metal Driven. <i>ChemCatChem</i> , 2015 , 7, 1650-1654	5.2	21
126	Evaluation of the Sorbent Properties of Single- and Multiwalled Carbon Nanotubes for Volatile Organic Compounds through Thermal Desorption-Gas Chromatography/Mass Spectrometry. <i>ChemPlusChem</i> , 2015 , 80, 1279-1287	2.8	12
125	Primary-Colored Electrochromism of 1,4-Phenylenediamines. <i>ChemPlusChem</i> , 2015 , 80, 1288-1297	2.8	7
124	Effects of Low to Intermediate Water Concentrations on Proton-Coupled Electron Transfer (PCET) Reactions of Flavins in Aprotic Solvents and a Comparison with the PCET Reactions of Quinones. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 14053-64	3.4	10
123	Trace element composition of PM2.5 and PM10 from Kolkata a heavily polluted Indian metropolis. <i>Atmospheric Pollution Research</i> , 2015 , 6, 742-750	4.5	109
122	N-heterocyclic carbene-catalyzed radical reactions for highly enantioselective hydroxylation of enals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 2416-9	16.4	114
121	Photodegradation of iodinated trihalomethanes in aqueous solution by UV 254 irradiation. <i>Water Research</i> , 2014 , 49, 275-85	12.5	64
120	N-heterocyclic carbene organocatalytic reductive coupling reactions of nitroalkenes via radical intermediates. <i>Organic Letters</i> , 2014 , 16, 5678-81	6.2	61
119	Voltammetric Studies on Vitamins D2 and D3 in Organic Solvents. <i>Electrochimica Acta</i> , 2014 , 138, 400-409	3.7	9
118	Indolo[2,3-b]carbazoles with tunable ground states: how Clar's aromatic sextet determines the singlet biradical character. <i>Chemical Science</i> , 2014 , 5, 4944-4952	9.4	31
117	Towards electrochemical purification of chemically reduced graphene oxide from redox accessible impurities. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 7058-65	3.6	13
116	A kinetically blocked 1,14:11,12-dibenzopentacene: a persistent triplet diradical of a non-Kekulé polycyclic benzenoid hydrocarbon. <i>Chemical Science</i> , 2014 , 5, 1908	9.4	55
115	Primary coloured electrochromism of aromatic oxygen and sulfur diesters. <i>RSC Advances</i> , 2014 , 4, 18100-7	3.7	10
114	Contrasting voltammetric behavior of different forms of vitamin A in aprotic organic solvents. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 8591-600	3.4	12
113	Turning on the biradical state of tetracyano-perylene and quaterrylenequinodimethanes by incorporation of additional thiophene rings. <i>Chemical Science</i> , 2014 , 5, 3072-3080	9.4	43
112	Mining nutrients (N, K, P) from urban source-separated urine by forward osmosis dewatering. <i>Environmental Science & Technology</i> , 2014 , 48, 3386-94	10.3	118

111	Strategy for nano-catalysis in a fixed-bed system. <i>Advanced Materials</i> , 2014 , 26, 4151-5	24	79
110	Newly developed stepwise electroless deposition enables a remarkably facile synthesis of highly active and stable amorphous Pd nanoparticle electrocatalysts for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5217-20	16.4	108
109	Graphene oxides prepared by Hummers', Hofmann's, and Staudenmaier's methods: dramatic influences on heavy-metal-ion adsorption. <i>ChemPhysChem</i> , 2014 , 15, 2922-9	3.2	57
108	Oxygen-initiated stereoselective thermal isomerisation of a cyclobutane derivative in the solid state. <i>Chemistry - A European Journal</i> , 2014 , 20, 15702-8	4.8	10
107	Electrochemically Controlled One-Electron Oxidation Coupled to Consecutive Hydrogen Atom Transfer of Caffeine. <i>ChemElectroChem</i> , 2014 , 1, 1557-1562	4.3	9
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