

# Ian R Gentle

## List of Publications by Citations

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163  
papers

7,910  
citations

38  
h-index

86  
g-index

172  
ext. papers

8,732  
ext. citations

7.8  
avg, IF

5.98  
L-index

#	Paper	IF	Citations
163	Fabrication of Graphene/Polyaniline Composite Paper via In Situ Anodic Electropolymerization for High-Performance Flexible Electrode. <i>ACS Nano</i> , <b>2009</b> , 3, 1745-52	16.7	1355
162	Fibrous hybrid of graphene and sulfur nanocrystals for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , <b>2013</b> , 7, 5367-75	16.7	670
161	Carbon-sulfur composites for Li-S batteries: status and prospects. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9382	13	664
160	A flexible nanostructured sulphur-carbon nanotube cathode with high rate performance for Li-S batteries. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 8901	35.4	422
159	Nitrogen-doped carbon monolith for alkaline supercapacitors and understanding nitrogen-induced redox transitions. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5345-51	4.8	317
158	A microporous-mesoporous carbon with graphitic structure for a high-rate stable sulfur cathode in carbonate solvent-based Li-S batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8703-10	3.6	258
157	Role of semiconductivity and ion transport in the electrical conduction of melanin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 8943-7	11.5	252
156	Morphology of all-solution-processed "bilayer" organic solar cells. <i>Advanced Materials</i> , <b>2011</b> , 23, 766-70	24	208
155	Review on areal capacities and long-term cycling performances of lithium sulfur battery at high sulfur loading. <i>Energy Storage Materials</i> , <b>2019</b> , 18, 289-310	19.4	159
154	A niobium and tantalum co-doped perovskite cathode for solid oxide fuel cells operating below 500 °C. <i>Nature Communications</i> , <b>2017</b> , 8, 13990	17.4	144
153	The structures of Langmuir-Blodgett films of fatty acids and their salts. <i>Advances in Colloid and Interface Science</i> , <b>2001</b> , 91, 163-219	14.3	123
152	Issues in determining factors influencing bacterial attachment: a review using the attachment of Escherichia coli to abiotic surfaces as an example. <i>Letters in Applied Microbiology</i> , <b>2009</b> , 49, 1-7	2.9	122
151	Recent advances in separators to mitigate technical challenges associated with re-chargeable lithium sulfur batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6596-6615	13	115
150	A Discussion on the Activity Origin in Metal-Free Nitrogen-Doped Carbons For Oxygen Reduction Reaction and their Mechanisms. <i>ChemSusChem</i> , <b>2015</b> , 8, 2772-88	8.3	97
149	Enhanced electrochemical sensitivity of PtRh electrodes coated with nitrogen-doped graphene. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1423-1427	5.1	74
148	A water-dielectric capacitor using hydrated graphene oxide film. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 21085		66
147	Hydration-controlled X-band EPR spectroscopy: a tool for unravelling the complexities of the solid-state free radical in eumelanin. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 4965-72	3.4	66

146	Solid-state dendrimer sensors: probing the diffusion of an explosive analogue using neutron reflectometry. <i>Langmuir</i> , <b>2009</b> , 25, 12800-5	4	63
145	Tubular Titania Nanostructures via Layer-by-Layer Self-Assembly. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 2600-2605	15.6	62
144	The examination of graphene oxide for rechargeable lithium storage as a novel cathode material. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3607	13	61
143	Unambiguous detection of nitrated explosive vapours by fluorescence quenching of dendrimer films. <i>Nature Communications</i> , <b>2015</b> , 6, 8240	17.4	60
142	Electroactive cellulose-supported graphene oxide interlayers for LiB batteries. <i>Carbon</i> , <b>2015</b> , 93, 611-619	10.4	59
141	On the origin of electrical conductivity in the bio-electronic material melanin. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 093701	3.4	58
140	Biomimetic SnP Anchored on Carbon Nanotubes as an Anode for High-Performance Sodium-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 8826-8837	16.7	56
139	Controlling Hierarchy in Solution-processed Polymer Solar Cells Based on Crosslinked P3HT. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 105-112	21.8	54
138	Structural Origin of the Activity in Mn3O4-Graphene Oxide Hybrid Electrocatalysts for the Oxygen Reduction Reaction. <i>ChemSusChem</i> , <b>2015</b> , 8, 3331-9	8.3	52
137	The role of functional materials to produce high areal capacity lithium sulfur battery. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 42, 195-209	12	50
136	Nanoassembly of biocompatible microcapsules for urease encapsulation and their use as biomimetic reactors. <i>Chemical Communications</i> , <b>2006</b> , 2150-2	5.8	49
135	Mesoporous silica templated biolabels with releasable fluorophores for immunoassays. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5401-6	7.8	48
134	Possible dissolution pathways participating in the Mg corrosion reaction. <i>Corrosion Science</i> , <b>2015</b> , 92, 173-181	6.8	47
133	Revisiting oxygen reduction reaction on oxidized and unzipped carbon nanotubes. <i>Carbon</i> , <b>2015</b> , 81, 295-304	10.4	47
132	Effects of fluorination on iridium(III) complex phosphorescence: magnetic circular dichroism and relativistic time-dependent density functional theory. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 2821-31	5.1	45
131	Dependence of LiNO <sub>3</sub> decomposition on cathode binders in LiB batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 13-19	8.9	43
130	Gaseous adsorption in melanins: hydrophilic biomacromolecules with high electrical conductivities. <i>Langmuir</i> , <b>2010</b> , 26, 412-6	4	43
129	Carboxymethyl cellulose binders enable high-rate capability of sulfurized polyacrylonitrile cathodes for LiB batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5460-5465	13	41

128	Investigating Morphology and Stability of Fac-tris (2-phenylpyridyl)iridium(III) Films for OLEDs. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 2225-2231	15.6	41
127	Engineering fluorinated-cation containing inverted perovskite solar cells with an efficiency of >21% and improved stability towards humidity. <i>Nature Communications</i> , <b>2021</b> , 12, 52	17.4	40
126	Characterisation of curli production, cell surface hydrophobicity, autoaggregation and attachment behaviour of Escherichia coli O157. <i>Current Microbiology</i> , <b>2010</b> , 61, 157-62	2.4	39
125	Anodic chlorine/nitrogen co-doping of reduced graphene oxide films at room temperature. <i>Carbon</i> , <b>2012</b> , 50, 3333-3341	10.4	38
124	Relativistic effects in a phosphorescent Ir(III) complex. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	38
123	Reduction-induced surface amorphization enhances the oxygen evolution activity in Co <sub>3</sub> O <sub>4</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 27823-27828	3.7	36
122	Engineering dielectric constants in organic semiconductors. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 3736-3747	7.1	35
121	Two-Dimensional Titanium Carbonitride Mxene for High-Performance Sodium Ion Batteries. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 6854-6863	5.6	35
120	Mixed Domains Enhance Charge Generation and Extraction in Bulk-Heterojunction Solar Cells with Small-Molecule Donors. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702941	21.8	34
119	Elucidating the Spatial Arrangement of Emitter Molecules in Organic Light-Emitting Diode Films. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8402-8406	16.4	33
118	Correlation of diffusion and performance in sequentially processed P3HT/PCBM heterojunction films by time-resolved neutron reflectometry. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 2593	7.1	33
117	Second hyperpolarizabilities and static and optical-frequency polarizability anisotropies of benzene, 1,3,5-trifluorobenzene and hexafluorobenzene. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 7740-7744		33
116	Functions in cooperation for enhanced oxygen reduction reaction: the independent roles of oxygen and nitrogen sites in metal-free nanocarbon and their functional synergy. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 3239-3248	13	31
115	Time-resolved neutron reflectometry and photovoltaic device studies on sequentially deposited PCDTBT-fullerene layers. <i>Langmuir</i> , <b>2014</b> , 30, 11474-84	4	31
114	Diffusion--the hidden menace in organic optoelectronic devices. <i>Advanced Materials</i> , <b>2012</b> , 24, 822-6	24	31
113	Sn4P3@Porous carbon nanofiber as a self-supported anode for sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2020</b> , 461, 228116	8.9	31
112	Synergy of nanoconfinement and surface oxygen in recrystallization of sulfur melt in carbon nanocapsules and the related Li <sub>8</sub> cathode properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 6439	13	30
111	Multilayer nanostructured porphyrin arrays constructed by layer-by-layer self-assembly. <i>Langmuir</i> , <b>2009</b> , 25, 9873-8	4	30

110	Separator coatings as efficient physical and chemical hosts of polysulfides for high-sulfur-loaded rechargeable lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 44, 51-60	12	30
109	Structural Studies of Copper(II)-Amine Terminated Dendrimer Complexes by EXAFS. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 20130-20136	3-4	29
108	Dependence of Organic Interlayer Diffusion on Glass-Transition Temperature in OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14153-14161	9-5	28
107	The Evaporation Resistance of Mixed Monolayers of Octadecanol and Cholesterol. <i>Journal of Colloid and Interface Science</i> , <b>1998</b> , 207, 258-263	9-3	28
106	The structure of mixed monolayer films of DPPC and hexadecanol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 171, 217-224	5-1	28
105	Reversible alkali-metal reduction of C60 in liquid ammonia; first observation of near-infrared spectrum of C580. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 525		28
104	Challenges in Fluorescence Detection of Chemical Warfare Agent Vapors Using Solid-State Films. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905785	24	28
103	Atomic force microscopy studies of Bowen Basin coal macerals. <i>Fuel</i> , <b>1997</b> , 76, 1519-1526	7-1	27
102	Host-Free Blue Phosphorescent Dendrimer Organic Light-Emitting Field-Effect Transistors and Equivalent Light-Emitting Diodes: A Comparative Study. <i>ACS Photonics</i> , <b>2017</b> , 4, 754-760	6-3	26
101	The binding and fluorescence quenching efficiency of nitroaromatic (explosive) vapors in fluorescent carbazole dendrimer thin films. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 9845-53	3-6	26
100	Self-Assembly of Amino-Thiols via Gold-Nitrogen Links and Consequence for in situ Elongation of Molecular Wires on Surface-Modified Electrodes. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 4200-4208	3-8	26
99	Interfacial behavior of tetrapyrridylporphyrin monolayer arrays. <i>Langmuir</i> , <b>2006</b> , 22, 681-6	4	26
98	Controlling the structure of transparent Langmuir-Blodgett films for nonlinear optical applications. <i>Journal of Materials Chemistry</i> , <b>1996</b> , 6, 137-141		25
97	Biocompatible polypeptide microcapsules via templating mesoporous silica spheres. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 333, 341-5	9-3	23
96	Functional molecular wires. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 1859-66	3-6	23
95	Multifunctional Effects of Sulfonyl-Anchored, Dual-Doped Multilayered Graphene for High Areal Capacity Lithium Sulfur Batteries. <i>ACS Central Science</i> , <b>2019</b> , 5, 1946-1958	16-8	22
94	Impact of Dimerization on Phase Separation and Crystallinity in Bulk Heterojunction Films Containing Non-Fullerene Acceptors. <i>Macromolecules</i> , <b>2016</b> , 49, 4404-4415	5-5	21
93	Solid State Dendrimer Sensors: Effect of Dendrimer Dimensionality on Detection and Sequestration of 2,4-Dinitrotoluene. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 18366-18371	3-8	21

92	Grazing Incidence X-ray Diffraction Studies of Thin Films Using an Imaging Plate Detection System. <i>Langmuir</i> , <b>1996</b> , 12, 774-777	4	21
91	Field-gradient-induced birefringence in dilute solutions of furan, thiophen and selenophen in cyclohexane. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , <b>1983</b> , 79, 539		21
90	Deuteration of molecules for neutron reflectometry on organic light-emitting diode thin films. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 931-935	2	20
89	Long-chain solid organic polysulfide cathode for high-capacity secondary lithium batteries. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 30-36	19.4	20
88	Determination of fullerene scattering length density: a critical parameter for understanding the fullerene distribution in bulk heterojunction organic photovoltaic devices. <i>Langmuir</i> , <b>2014</b> , 30, 1410-5	4	19
87	Solution phase synthesis of halogenated graphene and the electrocatalytic activity for oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , <b>2014</b> , 35, 884-890	11.3	19
86	Dispersible percolating carbon nano-electrodes for improvement of polysulfide utilization in LiS batteries. <i>Carbon</i> , <b>2015</b> , 93, 161-168	10.4	19
85	Diffusion of nitroaromatic vapours into fluorescent dendrimer films for explosives detection. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 210, 550-557	8.5	19
84	Electron-beam writing of deoxygenated micro-patterns on graphene oxide film. <i>Carbon</i> , <b>2015</b> , 95, 738-745	4.4	18
83	Enhanced photocatalytic properties of reusable TiO <sub>2</sub> -loaded natural porous minerals in dye wastewater purification. <i>Powder Technology</i> , <b>2016</b> , 302, 426-433	5.2	17
82	Improved stability of non-ITO stacked electrodes for large area flexible organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 130, 182-190	6.4	17
81	CsgA production by Escherichia coli O157:H7 alters attachment to abiotic surfaces in some growth environments. <i>Applied and Environmental Microbiology</i> , <b>2011</b> , 77, 7339-44	4.8	17
80	Cyclic Enones as Substrates in the Morita-Baylis-Hillman Reaction: Surfactant Interactions, Scope and Scalability with an Emphasis on Formaldehyde. <i>Advanced Synthesis and Catalysis</i> , <b>2009</b> , 351, 1148-1154	5.6	16
79	Specular and Off-Specular Neutron Reflectivity of a Low Molecular Weight Polystyrene Surfactant at the Air-Water Interface. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 5935-5942		16
78	The structural impact of water sorption on device-quality melanin thin films. <i>Soft Matter</i> , <b>2017</b> , 13, 3954-3965	3.0	15
77	Trilayer Nanomesh Films with Tunable Wettability as Highly Transparent, Flexible, and Recyclable Electrodes. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002556	15.6	15
76	Impact of Micropores and Dopants to Mitigate Lithium Polysulfides Shuttle over High Surface Area of ZIF-8 Derived Nanoporous Carbons. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5523-5532	6.1	14
75	Conformational changes in SP-B as a function of surface pressure. <i>Biophysical Journal</i> , <b>2003</b> , 85, 2624-32	2.9	14

74	Second hyperpolarizability and static polarizability anisotropy of carbon dioxide. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 3035-3038		14
73	Relating Structure to Efficiency in Surfactant-Free Polymer/Fullerene Nanoparticle-Based Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 42986-42995	9.5	13
72	The value of mixed conduction for oxygen electroreduction on graphene/chitosan composites. <i>Carbon</i> , <b>2014</b> , 73, 234-243	10.4	13
71	Temperature and pressure dependence of the electrooptical Kerr effect of sulfur dioxide. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 3434-3437		13
70	Diffusion at Interfaces in OLEDs Containing a Doped Phosphorescent Emissive Layer. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600184	4.6	13
69	Detection of Explosive Vapors: The Roles of Exciton and Molecular Diffusion in Real-Time Sensing. <i>ChemPhysChem</i> , <b>2016</b> , 17, 3350-3353	3.2	12
68	Clustering of High Molecular Weight PCDTBT in Bulk-Heterojunction Casting Solutions. <i>Macromolecules</i> , <b>2015</b> , 48, 8331-8336	5.5	11
67	Oriented nanoporous MOFs to mitigate polysulfides migration in lithium-sulfur batteries. <i>Nano Energy</i> , <b>2020</b> , 75, 105009	17.1	11
66	Assessing the sensing limits of fluorescent dendrimer thin films for the detection of explosive vapors. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 727-733	8.5	11
65	Improved spreading rates for monolayers applied as emulsions to reduce water evaporation. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 357, 239-42	9.3	11
64	Time-resolved grazing-incidence diffraction studies of thin films using an imaging-plate camera and focusing monochromator. <i>Journal of Synchrotron Radiation</i> , <b>1998</b> , 5, 107-11	2.4	11
63	Sc, Ge co-doping NASICON boosts solid-state sodium ion batteries' performance. <i>Energy Storage Materials</i> , <b>2021</b> , 40, 282-291	19.4	11
62	Surface roughness of stainless steel influences attachment and detachment of Escherichia coli O157. <i>Journal of Food Protection</i> , <b>2011</b> , 74, 1359-63	2.5	10
61	Structural Changes in Mixed Langmuir-Blodgett Films upon Nanoparticle Formation. <i>Langmuir</i> , <b>2002</b> , 18, 6391-6397	4	10
60	Self-assembled films of dimyristoylphosphatidylcholine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>1999</b> , 155, 69-84	5.1	10
59	Molecular quadrupole moment and effective-quadrupole-centre of fluorobenzene. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , <b>1983</b> , 79, 529		10
58	Thiophene dendrimer-based low donor content solar cells. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 103302	3.4	10
57	Metal-Ligand Complexes as Molecular Metal-Ion Reservoirs for Highly Promoted Growth of Fe(OH) <sub>2</sub> Microplates. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 8-11	3.5	9

56	Hydrotalcite-wrapped CoB alloy with enhanced oxygen evolution activity. <i>Chinese Journal of Catalysis</i> , <b>2017</b> , 38, 1021-1027	11.3	9
55	Molecular packing of functionalized fluorinated lipids in Langmuir monolayers. <i>Langmuir</i> , <b>2010</b> , 26, 18868-73	4	9
54	Rigid films of an anionic porphyrin and a dialkyl chain surfactant. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 5651-7	3.4	9
53	Structures of Mixed LangmuirBlodgett Films of Tetrakis(3,5-di-tert-butylphenyl)porphinatocopper(II) with Cadmium Arachidate: A Grazing Incidence Synchrotron X-ray Diffraction Study. <i>Langmuir</i> , <b>2000</b> , 16, 607-611	4	9
52	A comparative study on layered cobalt hydroxides in water oxidation. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2016</b> , 11, 415-423	1.3	9
51	A comparative study of V <sub>2</sub> O <sub>5</sub> modified with multi-walled carbon nanotubes and poly(3,4-ethylenedioxythiophene) for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 213, 557-564	6.7	9
50	Molecular versus exciton diffusion in fluorescence-based explosive vapour sensors. <i>Chemical Communications</i> , <b>2015</b> , 51, 17406-9	5.8	8
49	Regulating electron transfer over asymmetric low-spin Co(II) for highly selective electrocatalysis. <i>Chem Catalysis</i> , <b>2022</b> ,		8
48	Enhanced Electroactivity of Facet-Controlled Co <sub>3</sub> O <sub>4</sub> Nanocrystals for Enzymeless Biosensing. <i>Journal of Materials Science and Technology</i> , <b>2016</b> , 32, 24-27	9.1	8
47	The production and verification of pristine semi-fluorinated thiol monolayers on gold. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 370, 162-9	9.3	7
46	Focusing monochromator and imaging-plate camera for grazing-incidence diffraction studies of thin films. <i>Journal of Synchrotron Radiation</i> , <b>1998</b> , 5, 500-2	2.4	7
45	The structural characterisation of self-assembled films of dimyristoyl phosphatidylcholine: a neutron reflectivity and Brewster angle microscopy study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2000</b> , 168, 13-25	5.1	7
44	Molecular Lego <sup>®</sup> : non-centrosymmetric alignment within interdigitating layers. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 2966-2970		7
43	Precursor Route Poly(1,4-phenylenevinylene)-Based Interlayers for Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 889-899	6.1	7
42	Benchmarking the Oxygen Reduction Electroactivity of First-Row Transition-Metal Oxide Clusters on Carbon Nanotubes. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1862-1867	4.3	7
41	Influence of Dopant Concentration and Steric Bulk on Interlayer Diffusion in OLEDs. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1700872	4.6	6
40	Escherichia coli strains expressing H12 antigens demonstrate an increased ability to attach to abiotic surfaces as compared with E. coli strains expressing H7 antigens. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 119, 90-8	6	6
39	Molecular zips <sup>®</sup> evidence of the interdigitation of layers in Langmuir-Blodgett films of an optically non-linear dye and a compatible spacer. <i>Journal of Materials Chemistry</i> , <b>1996</b> , 6, 969-974		6



38	Polymer surfactant structure at the air-water interface. <i>Langmuir</i> , <b>1993</b> , 9, 646-648	4	6
37	Oxygen Electrocatalysis at Mn-O -C Hybrid Heterojunction: An Electronic Synergy or Cooperative Catalysis?. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 706-713	9.5	6
36	Enhanced Safety and Performance of High-Voltage Solid-State Sodium Battery through Trilayer, Multifunctional Electrolyte Design. <i>Energy Storage Materials</i> , <b>2021</b> , 41, 8-13	19.4	6
35	The DNA protection during starvation protein (Dps) influences attachment of Escherichia coli to abiotic surfaces. <i>Foodborne Pathogens and Disease</i> , <b>2011</b> , 8, 939-41	3.8	5
34	Structure of SP-B/DPPC mixed films studied by neutron reflectometry. <i>Biophysical Journal</i> , <b>2008</b> , 95, 4829-36	2.9	5
33	Conceptual Design of the Small Angle Scattering Beamline at the Australian Synchrotron. <i>AIP Conference Proceedings</i> , <b>2007</b> ,	0	5
32	X-ray Scattering Studies of Mixed Monolayers of Tetrakis(3,5-di-tert-butylphenyl)porphyrinatocopper(II) with Cadmium Arachidate at the Air/Water Interface. <i>Langmuir</i> , <b>2000</b> , 16, 7051-7055	4	5
31	Structural requirements for the cytotoxicity of the N-terminal region of HIV type 1 Nef. <i>AIDS Research and Human Retroviruses</i> , <b>1998</b> , 14, 1543-51	1.6	5
30	Interaction of Phosphotungstate Ions with Phospholipid Monolayers: A Synchrotron X-ray Study. <i>Langmuir</i> , <b>1995</b> , 11, 281-285	4	5
29	Nanosphere lithography: a versatile approach to develop transparent conductive films for optoelectronic applications.. <i>Advanced Materials</i> , <b>2022</b> , e2103842	24	5
28	Acid is a potential interferent in fluorescent sensing of chemical warfare agent vapors. <i>Communications Chemistry</i> , <b>2021</b> , 4,	6.3	5
27	Hole-transporting materials for low donor content organic solar cells: Charge transport and device performance. <i>Organic Electronics</i> , <b>2020</b> , 76, 105480	3.5	5
26	ZIF-8 derived hollow carbon to trap polysulfides for high performance lithium-sulfur batteries. <i>Nanoscale</i> , <b>2021</b> , 13, 11086-11092	7.7	5
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