

Milo Shaffer

List of Publications by Year in descending order

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275
papers

24,941
citations

8755

75
h-index

7518

151
g-index

283
all docs

283
docs citations

283
times ranked

24733
citing authors

#	ARTICLE	IF	CITATIONS
1	High- <i>k</i> dielectric screen-printed inks for mechanical energy harvesting devices. <i>Materials Advances</i> , 2022, 3, 1780-1790.	5.4	5
2	Mechanical, electrochemical and multifunctional performance of a CFRP/carbon aerogel structural supercapacitor and its corresponding monofunctional equivalents. <i>Multifunctional Materials</i> , 2022, 5, 025002.	3.7	16
3	High-Speed Imaging of the Ultrasonic Deagglomeration of Carbon Nanotubes in Water. <i>Jom</i> , 2022, 74, 2470-2483.	1.9	3
4	Graphene-Based Nucleants for Protein Crystallization. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	4
5	Electrophoretic deposition of carbon nanotubes: recent progress and remaining challenges. <i>International Materials Reviews</i> , 2021, 66, 533-562.	19.3	52
6	Continuous Binder-Free Fibers of Pure Imogolite Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17940-17947.	8.0	5
7	Conceptual Multifunctional Design, Feasibility and Requirements for Structural Power in Aircraft Cabins. <i>Journal of Aircraft</i> , 2021, 58, 677-687.	2.4	17
8	Direct Organometallic Synthesis of Carboxylate Intercalated Layered Zinc Hydroxides for Fully Exfoliated Functional Nanosheets. <i>Advanced Functional Materials</i> , 2021, 31, 2102631.	14.9	7
9	Defect-Free Single-Layer Graphene by 10 s Microwave Solid Exfoliation and Its Application for Catalytic Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28600-28609.	8.0	17
10	Layered Zinc Hydroxides: Direct Organometallic Synthesis of Carboxylate Intercalated Layered Zinc Hydroxides for Fully Exfoliated Functional Nanosheets (Adv. Funct. Mater. 30/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170218.	14.9	0
11	The influence of fabrication parameters on the electrochemical performance of multifunctional structural supercapacitors. <i>Multifunctional Materials</i> , 2021, 4, 034001.	3.7	13
12	Scalable Sacrificial Templating to Increase Porosity and Platinum Utilisation in Graphene-Based Polymer Electrolyte Fuel Cell Electrodes. <i>Nanomaterials</i> , 2021, 11, 2530.	4.1	3
13	Biphasic epoxy-ionic liquid structural electrolytes: minimising feature size through cure cycle and multifunctional block-copolymer addition. <i>Multifunctional Materials</i> , 2021, 4, 035003.	3.7	10
14	Structural Power Performance Targets for Future Electric Aircraft. <i>Energies</i> , 2021, 14, 6006.	3.1	20
15	Reductive processing of single walled carbon nanotubes for high volumetric performance supercapacitors. <i>Materials Advances</i> , 2021, 2, 1981-1992.	5.4	9
16	Effect of graphene flake size on functionalisation: quantifying reaction extent and imaging locus with single Pt atom tags. <i>Chemical Science</i> , 2021, 12, 14907-14919.	7.4	5
17	Designing Structural Electrochemical Energy Storage Systems: A Perspective on the Role of Device Chemistry. <i>Frontiers in Chemistry</i> , 2021, 9, 810781.	3.6	6
18	Nanocomposite coatings obtained by electrophoretic co-deposition of poly(etheretherketone)/graphene oxide suspensions. <i>Journal of Materials Science</i> , 2020, 55, 8881-8899.	3.7	18

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19	Cu/M:ZnO (M = Mg, Al, Cu) colloidal nanocatalysts for the solution hydrogenation of carbon dioxide to methanol. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11282-11291.	10.3	10
20	Thermal Decomposition of Ternary Sodium Graphite Intercalation Compounds. <i>Chemistry - A European Journal</i> , 2020, 26, 6545-6553.	3.3	11
21	Antibacterial Surfaces with Activity against Antimicrobial Resistant Bacterial Pathogens and Endospores. <i>ACS Infectious Diseases</i> , 2020, 6, 939-946.	3.8	21
22	Understanding and controlling the covalent functionalisation of graphene. <i>Dalton Transactions</i> , 2020, 49, 10308-10318.	3.3	28
23	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. <i>ACS Nano</i> , 2020, 14, 5570-5580.	14.6	17
24	Effect of silver nanospheres and nanowires on human airway smooth muscle cells: role of sulfidation. <i>Nanoscale Advances</i> , 2020, 2, 5635-5647.	4.6	7
25	A residual performance methodology to evaluate multifunctional systems. <i>Multifunctional Materials</i> , 2020, 3, 025002.	3.7	11
26	Spacers to Improve Performance and Porosity of Graphene Based Polymer Electrolyte Fuel Cells. <i>ECS Transactions</i> , 2020, 98, 141-146.	0.5	0
27	The liquid structure of the solvents dimethylformamide (DMF) and dimethylacetamide (DMA). <i>Molecular Physics</i> , 2019, 117, 3353-3363.	1.7	19
28	Label-Free Time-of-Flight Secondary Ion Mass Spectrometry Imaging of Sulfur-Producing Enzymes inside Microglia Cells following Exposure to Silver Nanowires. <i>Analytical Chemistry</i> , 2019, 91, 11098-11107.	6.5	9
29	Optimized microstructures for multifunctional structural electrolytes. <i>Multifunctional Materials</i> , 2019, 2, 045001.	3.7	10
30	One-Dimensional Pnictogen Allotropes inside Single-Wall Carbon Nanotubes. <i>Inorganic Chemistry</i> , 2019, 58, 15216-15224.	4.0	18
31	Synthesis of epoxidized poly(ester carbonate)- <i>b</i> -polyimide- <i>b</i> -poly(ester carbonate): reactive single-walled carbon nanotube dispersants enable synergistic reinforcement around multi-walled nanotube-grafted carbon fibers. <i>Polymer Chemistry</i> , 2019, 10, 1324-1334.	3.9	3
32	Reactive coagulation of single-walled carbon nanotubes for tougher composites – Solution processing and assembly. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
33	Vapour-liquid-solid growth of ZnO-ZnMgO core-shell nanowires by gold-catalysed molecular beam epitaxy. <i>Nanotechnology</i> , 2019, 30, 194001.	2.6	7
34	Real-time mechanistic study of carbon nanotube anion functionalisation through open circuit voltammetry. <i>Chemical Science</i> , 2019, 10, 3300-3306.	7.4	6
35	Quantification of blood-brain barrier transport and neuronal toxicity of unlabelled multiwalled carbon nanotubes as a function of surface charge. <i>Nanoscale</i> , 2019, 11, 22054-22069.	5.6	30
36	Matrix-graded and fibre-steered composites to tackle stress concentrations. <i>Composite Structures</i> , 2019, 207, 72-80.	5.8	15

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37	Enhanced fracture toughness of hierarchical carbon nanotube reinforced carbon fibre epoxy composites with engineered matrix microstructure. <i>Composites Science and Technology</i> , 2019, 170, 85-92.	7.8	70
38	Mapping the Origins of Luminescence in ZnO Nanowires by STEM-CL. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 386-392.	4.6	30
39	“Brick-and-Mortar” Nanostructured Interphase for Glass-Fiber-Reinforced Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7352-7361.	8.0	52
40	Layered zinc hydroxide monolayers by hydrolysis of organozincs. <i>Chemical Science</i> , 2018, 9, 2135-2146.	7.4	23
41	Carbon foams from emulsion-templated reduced graphene oxide polymer composites: electrodes for supercapacitor devices. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1840-1849.	10.3	70
42	Mapping carbon nanotube orientation by fast fourier transform of scanning electron micrographs. <i>Carbon</i> , 2018, 137, 78-87.	10.3	35
43	Improving the multifunctional behaviour of structural supercapacitors by incorporating chemically activated carbon fibres and mesoporous silica particles as reinforcement. <i>Journal of Composite Materials</i> , 2018, 52, 3085-3097.	2.4	38
44	Increasing carbon fiber composite strength with a nanostructured “brick-and-mortar” interphase. <i>Materials Horizons</i> , 2018, 5, 668-674.	12.2	38
45	Rapid quantitative mapping of multi-walled carbon nanotube concentration in nanocomposites. <i>Composites Science and Technology</i> , 2018, 160, 161-168.	7.8	5
46	Multiblock Polyesters Demonstrating High Elasticity and Shape Memory Effects. <i>Macromolecules</i> , 2018, 51, 2466-2475.	4.8	71
47	Mechanistic link between diesel exhaust particles and respiratory reflexes. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1074-1084.e9.	2.9	75
48	PdIn intermetallic nanoparticles for the Hydrogenation of CO ₂ to Methanol. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 9-18.	20.2	153
49	Brominated graphene as a versatile precursor for multifunctional grafting. <i>Chemical Science</i> , 2018, 9, 209-217.	7.4	39
50	MBE growth and morphology control of ZnO nanobelts with polar axis perpendicular to growth direction. <i>Materials Letters</i> , 2018, 212, 51-53.	2.6	35
51	Exploring the pseudo-ductility of aligned hybrid discontinuous composites using controlled fibre-type arrangements. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 592-606.	7.6	20
52	One-Dimensional Arsenic Allotropes: Polymerization of Yellow Arsenic Inside Single-Wall Carbon Nanotubes. <i>Angewandte Chemie</i> , 2018, 130, 11823-11827.	2.0	2
53	Depleting Depletion: Maintaining Single-Walled Carbon Nanotube Dispersions after Graft-To Polymer Functionalization. <i>Langmuir</i> , 2018, 34, 15396-15402.	3.5	5
54	Continuous carbon nanotube synthesis on charged carbon fibers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 525-538.	7.6	47

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55	Multimetallic Microparticles Increase the Potency of Rifampicin against Intracellular <i>Mycobacterium tuberculosis</i> . ACS Nano, 2018, 12, 5228-5240.	14.6	53
56	Rectification and negative differential resistance via orbital level pinning. Scientific Reports, 2018, 8, 9120.	3.3	12
57	One-Dimensional Arsenic Allotropes: Polymerization of Yellow Arsenic Inside Single-Wall Carbon Nanotubes. Angewandte Chemie - International Edition, 2018, 57, 11649-11653.	13.8	23
58	Local Structure and Polar Order in Liquid <i>N</i> -Methyl-2-pyrrolidone (NMP). Journal of Physical Chemistry B, 2018, 122, 8963-8971.	2.6	27
59	Charged Carbon Nanomaterials: Redox Chemistries of Fullerenes, Carbon Nanotubes, and Graphenes. Chemical Reviews, 2018, 118, 7363-7408.	47.7	182
60	Fast Exfoliation and Functionalisation of Two-Dimensional Crystalline Carbon Nitride by Framework Charging. Angewandte Chemie, 2018, 130, 12838-12842.	2.0	14
61	Fast Exfoliation and Functionalisation of Two-Dimensional Crystalline Carbon Nitride by Framework Charging. Angewandte Chemie - International Edition, 2018, 57, 12656-12660.	13.8	35
62	Pd ₂ Ga-Based Colloids as Highly Active Catalysts for the Hydrogenation of CO ₂ to Methanol. ACS Catalysis, 2017, 7, 1186-1196.	11.2	78
63	Chemical routes to discharging graphenides. Nanoscale, 2017, 9, 3150-3158.	5.6	17
64	Silver nanoparticles reduce brain inflammation and related neurotoxicity through induction of H ₂ S-synthesizing enzymes. Scientific Reports, 2017, 7, 42871.	3.3	110
65	Reductive dissolution of supergrowth carbon nanotubes for tougher nanocomposites by reactive coagulation spinning. Nanoscale, 2017, 9, 8764-8773.	5.6	18
66	Thermochemical functionalisation of graphenes with minimal framework damage. Chemical Science, 2017, 8, 6149-6154.	7.4	4
67	Encapsulation and Polymerization of White Phosphorus Inside Single-Wall Carbon Nanotubes. Angewandte Chemie, 2017, 129, 8256-8260.	2.0	26
68	Encapsulation and Polymerization of White Phosphorus Inside Single-Wall Carbon Nanotubes. Angewandte Chemie - International Edition, 2017, 56, 8144-8148.	13.8	70
69	HOMO-LUMO coupling: the fourth rule for highly effective molecular rectifiers. Nanoscale, 2017, 9, 8119-8125.	5.6	18
70	Reversible Redox Cycling of Well-Defined, Ultrasmall Cu/Cu ₂ O Nanoparticles. ACS Nano, 2017, 11, 2714-2723.	14.6	41
71	Systematic comparison of single-walled carbon nanotube/poly(vinyl acetate) graft-to reactions. Polymer, 2017, 133, 263-271.	3.8	14
72	Grafting from versus Grafting to Approaches for the Functionalization of Graphene Nanoplatelets with Poly(methyl methacrylate). Macromolecules, 2017, 50, 7070-7079.	4.8	58

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73	Multimaterial 3D Printing of Graphene-Based Electrodes for Electrochemical Energy Storage Using Thermoresponsive Inks. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37136-37145.	8.0	148
74	Trajectory of the Selective Dissolution of Charged Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21703-21712.	3.1	9
75	Applying a potential difference to minimise damage to carbon fibres during carbon nanotube grafting by chemical vapour deposition. <i>Nanotechnology</i> , 2017, 28, 305602.	2.6	28
76	Hybrid effects in graphene oxide/carbon nanotube-supported layered double hydroxides: enhancing the CO ₂ sorption properties. <i>Carbon</i> , 2017, 123, 616-627.	10.3	47
77	Colloidal Cu/ZnO catalysts for the hydrogenation of carbon dioxide to methanol: investigating catalyst preparation and ligand effects. <i>Catalysis Science and Technology</i> , 2017, 7, 3842-3850.	4.1	22
78	Single Crystal, Luminescent Carbon Nitride Nanosheets Formed by Spontaneous Dissolution. <i>Nano Letters</i> , 2017, 17, 5891-5896.	9.1	76
79	Avoiding artefacts during electron microscopy of silver nanomaterials exposed to biological environments. <i>Journal of Microscopy</i> , 2016, 261, 157-166.	1.8	15
80	Exploring Carbon Nanomaterial Diversity for Nucleation of Protein Crystals. <i>Scientific Reports</i> , 2016, 6, 20053.	3.3	23
81	Translocation of Functionalized Multi-Walled Carbon Nanotubes across Human Pulmonary Alveolar Epithelium: Dominant Role of Epithelial Type 1 Cells. <i>ACS Nano</i> , 2016, 10, 5070-5085.	14.6	26
82	Hierarchically porous carbon foams from pickering high internal phase emulsions. <i>Carbon</i> , 2016, 101, 253-260.	10.3	86
83	Pulmonary surfactant mitigates silver nanoparticle toxicity in human alveolar type-I-like epithelial cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 167-175.	5.0	30
84	Probing the size dependence on the optical modes of anatase nanoplatelets using STEM-EELS. <i>Nanoscale</i> , 2016, 8, 9727-9735.	5.6	5
85	Graphene oxide/mixed metal oxide hybrid materials for enhanced adsorption desulfurization of liquid hydrocarbon fuels. <i>Fuel</i> , 2016, 181, 531-536.	6.4	78
86	Enhancing the Antibacterial Activity of Light-Activated Surfaces Containing Crystal Violet and ZnO Nanoparticles: Investigation of Nanoparticle Size, Capping Ligand, and Dopants. <i>ACS Omega</i> , 2016, 1, 334-343.	3.5	41
87	Carboxylation of multiwalled carbon nanotubes reduces their toxicity in primary human alveolar macrophages. <i>Environmental Science: Nano</i> , 2016, 3, 1340-1350.	4.3	26
88	Systematic comparison of conventional and reductive single-walled carbon nanotube purifications. <i>Carbon</i> , 2016, 108, 423-432.	10.3	41
89	Effects of a nanoceria fuel additive on the physicochemical properties of diesel exhaust particles. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 1333-1342.	3.5	11
90	Simple phosphinate ligands access zinc clusters identified in the synthesis of zinc oxide nanoparticles. <i>Nature Communications</i> , 2016, 7, 13008.	12.8	31

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91	Strong and Stiff: High-Performance Cellulose Nanocrystal/Poly(vinyl alcohol) Composite Fibers. ACS Applied Materials & Interfaces, 2016, 8, 31500-31504.	8.0	101
92	Graphitic Carbon Nitride as a Catalyst Support in Fuel Cells and Electrolyzers. Electrochimica Acta, 2016, 222, 44-57.	5.2	97
93	Direct dispersion of SWNTs in highly conductive solvent-enhanced PEDOT:PSS films. Nanocomposites, 2016, 2, 135-140.	4.2	8
94	Property and Shape Modulation of Carbon Fibers Using Lasers. ACS Applied Materials & Interfaces, 2016, 8, 16351-16358.	8.0	10
95	A one-step Cu/ZnO quasi-homogeneous catalyst for DME production from syn-gas. Catalysis Science and Technology, 2016, 6, 4389-4397.	4.1	24
96	Electrophoretic deposition of graphene-related materials: A review of the fundamentals. Progress in Materials Science, 2016, 82, 83-117.	32.8	210
97	Understanding the Dispersion and Assembly of Bacterial Cellulose in Organic Solvents. Biomacromolecules, 2016, 17, 1845-1853.	5.4	29
98	Thermosetting nanocomposites with high carbon nanotube loadings processed by a scalable powder based method. Composites Science and Technology, 2016, 127, 62-70.	7.8	19
99	Thermosetting hierarchical composites with high carbon nanotube loadings: En route to high performance. Composites Science and Technology, 2016, 127, 134-141.	7.8	37
100	Reductively PEGylated carbon nanomaterials and their use to nucleate 3D protein crystals: a comparison of dimensionality. Chemical Science, 2016, 7, 2916-2923.	7.4	40
101	Cross-linked single-walled carbon nanotube aerogel electrodes via reductive coupling chemistry. Journal of Materials Chemistry A, 2016, 4, 5385-5389.	10.3	33
102	Carbon nanotube anions for the preparation of gold nanoparticle-nanocarbon hybrids. Chemical Communications, 2016, 52, 1934-1937.	4.1	19
103	Carbon fibre-reinforced poly(ethylene glycol) diglycidylether based multifunctional structural supercapacitor composites for electrical energy storage applications. Journal of Composite Materials, 2016, 50, 2155-2163.	2.4	48
104	Semi-Automated DigitalMicrograph Routine for Real-Time Phase Identification. Microscopy and Microanalysis, 2015, 21, 1667-1668.	0.4	0
105	Investigating the Origin of Luminescence in Zinc Oxide Nanostructures With STEM-Cathodoluminescence. Microscopy and Microanalysis, 2015, 21, 1257-1258.	0.4	2
106	From Organometallic Zinc and Copper Complexes to Highly Active Colloidal Catalysts for the Conversion of CO ₂ to Methanol. ACS Catalysis, 2015, 5, 2895-2902.	11.2	42
107	Silver nanowire interactions with primary human alveolar type-II epithelial cell secretions: contrasting bioreactivity with human alveolar type-I and type-II epithelial cells. Nanoscale, 2015, 7, 10398-10409.	5.6	31
108	Adsorption of surfactant protein D from human respiratory secretions by carbon nanotubes and polystyrene nanoparticles depends on nanomaterial surface modification and size. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140038.	4.0	13

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109	Dual-Mechanism Antimicrobial Polymer-ZnO Nanoparticle and Crystal Violet-Encapsulated Silicone. <i>Advanced Functional Materials</i> , 2015, 25, 1367-1373.	14.9	94
110	Static and Dynamic Microscopy of the Chemical Stability and Aggregation State of Silver Nanowires in Components of Murine Pulmonary Surfactant. <i>Environmental Science & Technology</i> , 2015, 49, 8048-8056.	10.0	21
111	Layered Double Oxides Supported on Graphene Oxide for CO ₂ Adsorption: Effect of Support and Residual Sodium. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6781-6792.	3.7	25
112	A one-step route to solubilised, purified or functionalised single-walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16708-16715.	10.3	42
113	An investigation of the carbon nanotube Lipid interface and its impact upon pulmonary surfactant lipid function. <i>Biomaterials</i> , 2015, 55, 24-32.	11.4	15
114	Antimicrobial Surfaces: Dual-Mechanism Antimicrobial Polymer-ZnO Nanoparticle and Crystal Violet-Encapsulated Silicone (Adv. Funct. Mater. 9/2015). <i>Advanced Functional Materials</i> , 2015, 25, 1366-1366.	14.9	4
115	Influence of Alkali Metals (Na, K, and Cs) on CO ₂ Adsorption by Layered Double Oxides Supported on Graphene Oxide. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 11610-11618.	3.7	26
116	Sonochemical degradation of N-methylpyrrolidone and its influence on single walled carbon nanotube dispersion. <i>Chemical Communications</i> , 2015, 51, 16621-16624.	4.1	50
117	Nacre-nanomimetics: Strong, Stiff, and Plastic. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26783-26791.	8.0	28
118	High resolution and dynamic imaging of biopersistence and bioreactivity of extra and intracellular MWNTs exposed to microglial cells. <i>Biomaterials</i> , 2015, 70, 57-70.	11.4	30
119	Mechanical, electrical and microstructural characterisation of multifunctional structural power composites. <i>Journal of Composite Materials</i> , 2015, 49, 1823-1834.	2.4	69
120	Self-condensation of acetone over Mg-Al layered double hydroxide supported on multi-walled carbon nanotube catalysts. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 50-57.	4.8	17
121	Synthesis and characterization of branched fullerene-terminated poly(ethylene glycol)s. <i>Polymer Chemistry</i> , 2015, 6, 1056-1065.	3.9	4
122	Joule Heating Characteristics of Emulsion-Templated Graphene Aerogels. <i>Advanced Functional Materials</i> , 2015, 25, 28-35.	14.9	99
123	En route to controlled catalytic CVD synthesis of densely packed and vertically aligned nitrogen-doped carbon nanotube arrays. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 219-233.	2.8	73
124	An Attenuated Total Reflection Fourier Transform Infrared (ATR FT-IR) Spectroscopic Study of Gas Adsorption on Colloidal Stearate-Capped ZnO Catalyst Substrate. <i>Applied Spectroscopy</i> , 2014, 68, 88-94.	2.2	10
125	Probing the charging mechanisms of carbon nanomaterial polyelectrolytes. <i>Faraday Discussions</i> , 2014, 172, 311-325.	3.2	25
126	Composition as a Means To Control Morphology and Properties of Epoxy Based Dual-Phase Structural Electrolytes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 28377-28387.	3.1	60

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127	Applications, composites, and devices: general discussion. Faraday Discussions, 2014, 173, 429-443.	3.2	5
128	Aqueous dispersions of oligomer-grafted carbon nanomaterials with controlled surface charge and minimal framework damage. Faraday Discussions, 2014, 173, 273-285.	3.2	7
129	Synthesis in gas and liquid phase: general discussion. Faraday Discussions, 2014, 173, 115-135.	3.2	2
130	Doping and Theory: general discussion. Faraday Discussions, 2014, 173, 233-256.	3.2	4
131	Multifunctional structural energy storage composite supercapacitors. Faraday Discussions, 2014, 172, 81-103.	3.2	109
132	Functionalisation, separation and solvation: general discussion. Faraday Discussions, 2014, 173, 337-349.	3.2	0
133	Shear-induced crystallisation of molten isotactic polypropylene within the intertube channels of aligned multi-wall carbon nanotube arrays towards structurally controlled composites. Materials Letters, 2014, 116, 53-56.	2.6	14
134	Adsorption of carbon dioxide on graphene oxide supported layered double oxides. Adsorption, 2014, 20, 321-330.	3.0	34
135	Mapping functional groups on oxidised multi-walled carbon nanotubes at the nanometre scale. Chemical Communications, 2014, 50, 6744-6747.	4.1	12
136	The many faces of carbon in electrochemistry: general discussion. Faraday Discussions, 2014, 172, 117-137.	3.2	4
137	Optimised exfoliation conditions enhance isolation and solubility of grafted graphenes from graphite intercalation compounds. Journal of Materials Chemistry A, 2014, 2, 15022.	10.3	35
138	Carbon electrode interfaces for synthesis, sensing and electrocatalysis: general discussion. Faraday Discussions, 2014, 172, 497-520.	3.2	1
139	Mononuclear Phenolate Diamine Zinc Hydride Complexes and Their Reactions With CO ₂ . Organometallics, 2014, 33, 1112-1119.	2.3	39
140	Diamond Rings or Dumbbells: Controlling the Structure of Poly(ethylene glycol)-Fullerene [60] Adducts by Varying Linking Chain Length. Macromolecules, 2014, 47, 4870-4875.	4.8	5
141	Aqueous cationic, anionic and non-ionic multi-walled carbon nanotubes, functionalised with minimal framework damage, for biomedical application. Biomaterials, 2014, 35, 4729-4738.	11.4	40
142	Binary salt of hexamethylenediaminium adipate and carbon nanotubate as a synthetic precursor of carbon nanotube/Nylon-6,6 hybrid materials. Polymer Composites, 2014, 35, 523-529.	4.6	4
143	Electron Microscopic Characterization of Functionalized Multi-Walled Carbon Nanotubes and Their Interactions with the Blood Brain Barrier. Microscopy and Microanalysis, 2014, 20, 1744-1745.	0.4	0
144	Fracture behavior of carbon nanotube/carbon microfiber hybrid polymer composites. Journal of Materials Science, 2013, 48, 5590-5595.	3.7	25

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145	The Stability of Silver Nanoparticles in a Model of Pulmonary Surfactant. <i>Environmental Science & Technology</i> , 2013, 47, 11232-11240.	10.0	99
146	Sulfidation of silver nanowires inside human alveolar epithelial cells: a potential detoxification mechanism. <i>Nanoscale</i> , 2013, 5, 9839.	5.6	56
147	Determining the Morphology and Photocatalytic Activity of Two-Dimensional Anatase Nanoplatelets Using Reagent Stoichiometry. <i>Chemistry of Materials</i> , 2013, 25, 2137-2145.	6.7	41
148	Phosphinate stabilised ZnO and Cu colloidal nanocatalysts for CO ₂ hydrogenation to methanol. <i>Chemical Communications</i> , 2013, 49, 11074.	4.1	47
149	Activation of structural carbon fibres for potential applications in multifunctional structural supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 241-248.	9.4	81
150	Structural supercapacitor electrolytes based on bicontinuous ionic liquid-epoxy resin systems. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15300.	10.3	143
151	Applications of Graphene Electrophoretic Deposition. A Review. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1502-1515.	2.6	246
152	Electrochemical Processing of Discrete Single-Walled Carbon Nanotube Anions. <i>ACS Nano</i> , 2013, 7, 1769-1778.	14.6	29
153	Giant cationic polyelectrolytes generated via electrochemical oxidation of single-walled carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 1989.	12.8	17
154	Multifunctional Structural Supercapacitor Composites Based on Carbon Aerogel Modified High Performance Carbon Fiber Fabric. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6113-6122.	8.0	209
155	High-Resolution Analytical Electron Microscopy Reveals Cell Culture Media-Induced Changes to the Chemistry of Silver Nanowires. <i>Environmental Science & Technology</i> , 2013, 47, 13813-13821.	10.0	33
156	Organometallic Route to Surface-Modified ZnO Nanoparticles Suitable for In Situ Nanocomposite Synthesis: Bound Carboxylate Stoichiometry Controls Particle Size or Surface Coverage. <i>Chemistry of Materials</i> , 2012, 24, 2443-2448.	6.7	38
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