ColinÂ L Raston

List of Publications by Year
in descending order

562	20,155	18887 64	32181 105
papers	citations	h-index	g-index

581	581	581	16868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vortex fluidic induced mass transfer across immiscible phases. Chemical Science, 2022, 13, 3375-3385.	3.7	15
2	Developing Novel Fabrication and Optimisation Strategies on Aggregation-Induced Emission Nanoprobe/Polyvinyl Alcohol Hydrogels for Bio-Applications. Molecules, 2022, 27, 1002.	1.7	2
3	Vortex Fluidic Mediated Oxidative Sulfitolysis of Oxytocin. Molecules, 2022, 27, 1109.	1.7	1
4	Continuous Flow Vortex Fluidic Transformation of Kombucha Cellulose into More Compact and Crystalline Fibers. ACS Sustainable Chemistry and Engineering, 2022, 10, 4279-4288.	3.2	1
5	Underâ€5â€Minute Immunoblot Assays by Vortex Fluidic Device Acceleration. Angewandte Chemie - International Edition, 2022, , .	7.2	4
6	RÃ¼cktitelbild: Underâ€5â€Minute Immunoblot Assays by Vortex Fluidic Device Acceleration (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlo	1.6	0
7	Continuous flow fabrication of green graphene oxide in aqueous hydrogen peroxide. Nanoscale Advances, 2022, 4, 3121-3130.	2.2	7
8	Vortex-Fluidic-Mediated Fabrication of Polysulfone Ultrafiltration Membranes Incorporating Graphene Oxide. ACS Applied Polymer Materials, 2022, 4, 4131-4143.	2.0	2
9	Continuous Flow Fabrication of MoS₂ Scrolls for Electrocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2022, 10, 9325-9333.	3.2	7
10	Electro-polymerization rates of diazonium salts are dependent on the crystal orientation of the surface. Journal of Colloid and Interface Science, 2022, 626, 985-994.	5.0	3
11	Azideâ€“alkyne cycloadditions in a vortex fluidic device: enhanced â€œon waterâ€•effects and catalysis in flow. Chemical Communications, 2021, 57, 659-662.	2.2	9
12	p-Sulfonatocalix[4]arene binding of monovalent, divalent and trivalent metal ions. Journal of Coordination Chemistry, 2021, 74, 40-50.	0.8	1
13	Vortex fluidics mediated non-covalent physical entanglement of tannic acid and gelatin for entrapment of nutrients. Food and Function, 2021, 12, 1087-1096.	2.1	3
14	Sub-micron moulding topological mass transport regimes in angled vortex fluidic flow. Nanoscale Advances, 2021, 3, 3064-3075.	2.2	34
15	High shear spheroidal topological fluid flow induced coating of polystyrene beads with C₆₀ spicules. Chemical Communications, 2021, 57, 5638-5641.	2.2	8
16	Four component Passerini polymerization of bulky monomers under high shear flow. Chemical Communications, 2021, 57, 8328-8331.	2.2	4
17	High shear vortex fluidic morphologically controlled polysulfone formed under anhydrous conditions. New Journal of Chemistry, 2021, 45, 10268-10276.	1.4	1
18	Carbonisation of a polymer made from sulfur and canola oil. Chemical Communications, 2021, 57, 6296-6299.	2.2	13

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19	Release of encapsulated bioactives influenced by alginate viscosity under in-vitro gastrointestinal model. International Journal of Biological Macromolecules, 2021, 170, 540-548.	3.6	12
20	Noncovalent Proteinâ€“Pseudorotaxane Assembly Incorporating an Extended Arm Calix[8]arene with Î±-Helical Recognition Properties. Crystal Growth and Design, 2021, 21, 1424-1427.	1.4	8
21	Shear Stress-Mediated Growth of Cupric Phosphate Nanostructures. Crystal Growth and Design, 2021, 21, 4579-4586.	1.4	4
22	Protein-macrocycle framework engineering: supramolecular copolymerisation with two disparate calixarenes. Supramolecular Chemistry, 2021, 33, 122-128.	1.5	3
23	In Situ Monitored Vortex Fluidic-Mediated Protein Refolding/Unfolding Using an Aggregation-Induced Emission Bioprobe. Molecules, 2021, 26, 4273.	1.7	3
24	Impermeable Graphene Oxide Protects Silicon from Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 38799-38807.	4.0	23
25	High shear in situ exfoliation of 2D gallium oxide sheets from centrifugally derived thin films of liquid gallium. Nanoscale Advances, 2021, 3, 5785-5792.	2.2	6
26	Upsized Vortex Fluidic Device Enhancement of Mechanical Properties and the Microstructure of Biomass-Based Biodegradable Films. ACS Sustainable Chemistry and Engineering, 2021, 9, 14588-14595.	3.2	8
27	Thin Film Mechano-Energy Induced Slicing of Carbon Nanotubes under Flow. ACS Sustainable Chemistry and Engineering, 2021, 9, 16044-16051.	3.2	13
28	Synthesis, crystallization and Hirshfeld surface analysis of transition metal carboxylate pentapyridines. CrystEngComm, 2021, 24, 57-69.	1.3	8
29	Tuning aggregation-induced emission nanoparticle properties under thin film formation. Materials Chemistry Frontiers, 2020, 4, 537-545.	3.2	21
30	Vortex Fluidic-Mediated Fabrication of Fast Gelated Silica Hydrogels with Embedded Laccase Nanoflowers for Real-Time Biosensing under Flow. ACS Applied Materials & Interfaces, 2020, 12, 51999-52007.	4.0	30
31	Understanding the structural properties of p-xylylenebis(triphenylphosphonium) cation under different pH and anion conditions. CrystEngComm, 2020, 22, 7704-7715.	1.3	1
32	Vortex fluidic mediated encapsulation of functional fish oil featuring in situ probed small angle neutron scattering. Npj Science of Food, 2020, 4, 12.	2.5	15
33	Tuning Surface Morphology of Fluorescent Hydrogels Using a Vortex Fluidic Device. Molecules, 2020, 25, 3445.	1.7	4
34	Continuous flow vortex fluidic-mediated exfoliation and fragmentation of two-dimensional MXene. Royal Society Open Science, 2020, 7, 192255.	1.1	10
35	Vortex fluidic enabling and significantly boosting light intensity of graphene oxide with aggregation induced emission luminogen. Materials Chemistry Frontiers, 2020, 4, 2126-2130.	3.2	8
36	Application of microfluidic technology in food processing. Food and Function, 2020, 11, 5726-5737.	2.1	44

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37	Effect of anions on the solid-state interplay of symmetric and unsymmetric phosphonium cations. New Journal of Chemistry, 2020, 44, 10220-10228.	1.4	4
38	Vortex fluidic mediated synthesis of polysulfone. RSC Advances, 2020, 10, 14761-14767.	1.7	10
39	Vortex Fluidic Mediated Synthesis of TiO₂ Nanoparticle/MXene Composites. ChemNanoMat, 2020, 6, 657-662.	1.5	9
40	Critical evaluation of process parameters for direct biodiesel production from diverse feedstock. Renewable and Sustainable Energy Reviews, 2020, 123, 109762.	8.2	75
41	A hyper-branched polymer tunes the size and enhances the fluorescent properties of aggregation-induced emission nanoparticles. Nanoscale Advances, 2020, 2, 633-641.	2.2	9
42	Reduced graphene oxideâ€“silicon interface involving direct Siâ€“O bonding as a conductive and mechanical stable ohmic contact. Chemical Communications, 2020, 56, 6209-6212.	2.2	21
43	Vortex fluidic mediated one-step fabrication of polyvinyl alcohol hydrogel films with tunable surface morphologies and enhanced self-healing properties. Science China Materials, 2020, 63, 1310-1317.	3.5	9
44	Vortex fluidics-mediated DNA rescue from formalin-fixed museum specimens. PLoS ONE, 2020, 15, e0225807.	1.1	12
45	Vortex Fluidic Ethenolysis, Integrating a Rapid Quench of Ruthenium Olefin Metathesis Catalysts. Australian Journal of Chemistry, 2020, 73, 1138.	0.5	2
46	Mapping Out the Diversity of Lanthanide(III) Coordination Complexes Involving p-Sulfonatocalix[4,6]arenes. Australian Journal of Chemistry, 2020, 73, 570.	0.5	1
47	Vortex fluidics-mediated DNA rescue from formalin-fixed museum specimens. , 2020, 15, e0225807.		0
48	Vortex fluidics-mediated DNA rescue from formalin-fixed museum specimens. , 2020, 15, e0225807.		0
49	Continuous Flow Copper Laser Ablation Synthesis of Copper(I and II) Oxide Nanoparticles in Water. ACS Omega, 2019, 4, 13577-13584.	1.6	14
50	High Yielding Fabrication of Magnetically Responsive Coiled Single-Walled Carbon Nanotube under Flow. ACS Applied Nano Materials, 2019, 2, 5282-5289.	2.4	18
51	Inverted vortex fluidic exfoliation and scrolling of hexagonal-boron nitride. RSC Advances, 2019, 9, 22074-22079.	1.7	18
52	Microfluidic Devices in Fabricating Nano or Micromaterials for Biomedical Applications. Advanced Materials Technologies, 2019, 4, 1900488.	3.0	48
53	High-Yield Continuous-Flow Synthesis of Spheroidal C₆₀@Graphene Composites as Supercapacitors. ACS Omega, 2019, 4, 19279-19286.	1.6	16
54	Continuous flow photolytic reduction of graphene oxide. Chemical Communications, 2019, 55, 11438-11441.	2.2	15

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55	Three-step-in-one synthesis of supercapacitor MWCNT superparamagnetic magnetite composite material under flow. Nanoscale Advances, 2019, 1, 3761-3770.	2.2	11
56	Vortex fluidic mediated transformation of graphite into highly conducting graphene scrolls. Nanoscale Advances, 2019, 1, 2495-2501.	2.2	21
57	Vortex fluidic mediated food processing. PLoS ONE, 2019, 14, e0216816.	1.1	10
58	p-Phosphonic acid calix[8]arene mediated synthesis of ultra-large, ultra-thin, single-crystal gold nanoplatelets. Chemical Communications, 2019, 55, 3785-3788.	2.2	5
59	Neutron imaging and modelling inclined vortex driven thin films. Scientific Reports, 2019, 9, 2817.	1.6	11
60	Efficient Production of Phosphorene Nanosheets via Shear Stress Mediated Exfoliation for Lowâ€Temperature Perovskite Solar Cells. Small Methods, 2019, 3, 1800521.	4.6	58
61	Vertically aligned laser sliced MWCNTs. Nanoscale, 2019, 11, 21394-21403.	2.8	11
62	Dynamic thin film mediated slicing of boron nitride nanotubes. Nanoscale Advances, 2019, 1, 4722-4728.	2.2	3
63	Chemoselective and Continuous Flow Hydrogenations in Thin Films Using a Palladium Nanoparticle Catalyst Embedded in Cellulose Paper. ACS Applied Bio Materials, 2019, 2, 488-494.	2.3	19
64	Optimisation of biorefinery production of alginate, fucoidan and laminarin from brown seaweed Durvillaea potatorum. Algal Research, 2019, 38, 101389.	2.4	51
65	Continuous flow thin film microfluidic mediated nano-encapsulation of fish oil. LWT - Food Science and Technology, 2019, 103, 88-93.	2.5	15
66	Turbo thin film continuous flow production of biodiesel from fungal biomass. Bioresource Technology, 2019, 273, 431-438.	4.8	14
67	Angled Vortex Fluidic Mediated Multicomponent Photocatalytic and Transition Metalâ€Catalyzed Reactions. Chemistry - A European Journal, 2018, 24, 8869-8874.	1.7	14
68	Laser irradiated vortex fluidic mediated synthesis of luminescent carbon nanodots under continuous flow. Reaction Chemistry and Engineering, 2018, 3, 164-170.	1.9	44
69	Highâ€Shearâ€Imparted Tunable Fluorescence in Polyethylenimines. ChemPhotoChem, 2018, 2, 343-348.	1.5	15
70	Primary and secondary directing interactions of aquated lanthanide(III) ions with p-sulfonated calix[n]arene. Coordination Chemistry Reviews, 2018, 375, 80-105.	9.5	24
71	Organic oxidations promoted in vortex driven thin films under continuous flow. Green Chemistry, 2018, 20, 118-124.	4.6	32
72	Continuous flow biodiesel production from wet microalgae using a hybrid thin film microfluidic platform. Chemical Communications, 2018, 54, 12085-12088.	2.2	15

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73	Continuous flow synthesis of phosphate binding h-BN@magnetite hybrid material. RSC Advances, 2018, 8, 40829-40835.	1.7	9
74	Continuous hydrothermal flow synthesis of graphene quantum dots. Reaction Chemistry and Engineering, 2018, 3, 949-958.	1.9	27
75	Laser-Ablated Vortex Fluidic-Mediated Synthesis of Superparamagnetic Magnetite Nanoparticles in Water Under Flow. ACS Omega, 2018, 3, 11172-11178.	1.6	28
76	Integrating thin film microfluidics in developing a concise synthesis of DGJNAc: A potent inhibitor of Î±-N-acetylgalctosaminidases. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3748-3751.	1.0	4
77	Controlled slicing of single walled carbon nanotubes under continuous flow. Carbon, 2018, 140, 428-432.	5.4	30
78	Vortex Fluidic Mediated Synthesis of Macroporous Bovine Serum Albumin-Based Microspheres. ACS Applied Materials & Interfaces, 2018, 10, 27224-27232.	4.0	22
79	Vortex fluidic mediated direct transesterification of wet microalgae biomass to biodiesel. Bioresource Technology, 2018, 266, 488-497.	4.8	27
80	Phase dependent structural perturbation of a robust multicomponent assembled icosahedral array. Chemical Communications, 2018, 54, 10824-10827.	2.2	5
81	Shear stress mediated scrolling of graphene oxide. Carbon, 2018, 137, 419-424.	5.4	38
82	Controlling the growth of fullerene C₆₀ cones under continuous flow. Chemical Communications, 2018, 54, 7896-7899.	2.2	22
83	Multi-step continuous-flow synthesis. Chemical Society Reviews, 2017, 46, 1250-1271.	18.7	403
84	Tenâ€Minute Protein Purification and Surface Tethering for Continuousâ€Flow Biocatalysis. Angewandte Chemie, 2017, 129, 2336-2341.	1.6	15
85	Nanomaterial processing strategies in functional hybrid materials for wastewater treatment using algal biomass. Journal of Chemical Technology and Biotechnology, 2017, 92, 1862-1867.	1.6	7
86	Vortex Fluidics Improved Morphology of CH₃NH₃PbI_{3â€x}Cl_x Films for Perovskite Solar Cells. ChemistrySelect, 2017, 2, 369-374.	0.7	5
87	Tenâ€Minute Protein Purification and Surface Tethering for Continuousâ€Flow Biocatalysis. Angewandte Chemie - International Edition, 2017, 56, 2296-2301.	7.2	50
88	Shear Stress Induced Fabrication of Dandelion-Shaped Lanthanide Phosphate Nanoparticles. Australian Journal of Chemistry, 2017, 70, 823.	0.5	1
89	Protein Dimerization on a Phosphonated Calix[6]arene Disc. Angewandte Chemie - International Edition, 2017, 56, 5517-5521.	7.2	61
90	Protein Dimerization on a Phosphonated Calix[6]arene Disc. Angewandte Chemie, 2017, 129, 5609-5613.	1.6	45

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91	Selective Calixareneâ€Directed Synthesis of MXene Plates, Crumpled Sheets, Spheres, and Scrolls. Chemistry - A European Journal, 2017, 23, 8128-8133.	1.7	30
92	Protein Folding Using a Vortex Fluidic Device. Methods in Molecular Biology, 2017, 1586, 211-220.	0.4	2
93	Frontispiece: Selective Calixareneâ€Directed Synthesis of MXene Plates, Crumpled Sheets, Spheres, and Scrolls. Chemistry - A European Journal, 2017, 23, .	1.7	0
94	Vortex Fluidic Chemical Transformations. Chemistry - A European Journal, 2017, 23, 13270-13278.	1.7	78
95	Dynamic Thin Films in Controlling the Fabrication of Nanocarbon and Its Composites. Advanced Materials Technologies, 2017, 2, 1600298.	3.0	14
96	Vortex fluidics synthesis of polymer coated superparamagnetic magnetite nanoparticles. New Journal of Chemistry, 2017, 41, 552-558.	1.4	2
97	Surfactantâ€free Fabrication of Fullerene C₆₀ Nanotubules Under Shear. Angewandte Chemie - International Edition, 2017, 56, 8398-8401.	7.2	55
98	p â€Phosphonated Calix[n]arene Stabilizes Superparamagnetic Nanoparticles for Nitrate and Phosphate Uptake. ChemPlusChem, 2017, 82, 416-422.	1.3	2
99	Surfactantâ€free Fabrication of Fullerene C₆₀ Nanotubules Under Shear. Angewandte Chemie, 2017, 129, 8518-8521.	1.6	12
100	Improving oxidation efficiency through plasma coupled thin film processing. RSC Advances, 2017, 7, 47111-47115.	1.7	8
101	Cover Image, Volume 92, Issue 8. Journal of Chemical Technology and Biotechnology, 2017, 92, i-i.	1.6	0
102	Multifunctional nanoparticles for co-delivery of paclitaxel and carboplatin against ovarian cancer by inactivating the JMJD3-HER2 axis. Nanoscale, 2017, 9, 13142-13152.	2.8	46
103	Frontispiece: Vortex Fluidic Chemical Transformations. Chemistry - A European Journal, 2017, 23, .	1.7	0
104	Harnessing Thinâ€Film Continuousâ€Flow Assembly Lines. Chemistry - A European Journal, 2016, 22, 10773-10776.	1.7	20
105	Transitionâ€Metalâ€Free Crossâ€Coupling Reactions in Dynamic Thin Films To Access Pyrimidine and Quinoxaline Analogues. European Journal of Organic Chemistry, 2016, 2016, 5957-5963.	1.2	10
106	Functional heterocyclic molecular inclusion in p-sulfonatocalix[5]arene and lanthanide(<scp>iii</scp>) complexes. RSC Advances, 2016, 6, 102695-102702.	1.7	0
107	Influence of aspect ratio of magnetite coated gold nanorods in hydrogen peroxide sensing. Sensors and Actuators B: Chemical, 2016, 235, 492-497.	4.0	18
108	Vortex Fluidic Device-Intensified Aqueous Two Phase Extraction of C-Phycocyanin from Spirulina maxima. ACS Sustainable Chemistry and Engineering, 2016, 4, 3905-3911.	3.2	56

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109	Accelerating Enzymatic Catalysis Using Vortex Fluidics. Angewandte Chemie - International Edition, 2016, 55, 11387-11391.	7.2	51
110	Plasma enhanced vortex fluidic device manipulation of graphene oxide. Chemical Communications, 2016, 52, 10755-10758.	2.2	10
111	Accelerating Enzymatic Catalysis Using Vortex Fluidics. Angewandte Chemie, 2016, 128, 11559-11563.	1.6	19
112	Magnetically Directed Assembly of Nanocrystals for Catalytic Control of a Three-Component Coupling Reaction. Crystal Growth and Design, 2016, 16, 4773-4776.	1.4	29
113	Rapid protein immobilization for thin film continuous flow biocatalysis. Chemical Communications, 2016, 52, 10159-10162.	2.2	37
114	Paclitaxel-loaded phosphonated calixarene nanovesicles as a modular drug delivery platform. Scientific Reports, 2016, 6, 23489.	1.6	52
115	Fluid dynamic lateral slicing of high tensile strength carbon nanotubes. Scientific Reports, 2016, 6, 22865.	1.6	53
116	The synthesis of di-carboxylate esters using continuous flow vortex fluidics. Green Chemistry, 2016, 18, 2193-2200.	4.6	37
117	Gadolinium(<scp>iii</scp>)-mediated multi-component confinement of imidazolium cations in p-sulfonated calix[4]arene. CrystEngComm, 2016, 18, 4929-4937.	1.3	7
118	Manipulating three-dimensional gel network entanglement by thin film shearing. Chemical Communications, 2016, 52, 4513-4516.	2.2	23
119	Wool deconstruction using a benign eutectic melt. RSC Advances, 2016, 6, 20095-20101.	1.7	38
120	Rapid Vortex Fluidics: Continuous Flow Synthesis of Amides and Local Anesthetic Lidocaine. Chemistry - A European Journal, 2015, 21, 10660-10665.	1.7	54
121	Microencapsulation of bacterial strains in graphene oxide nano-sheets using vortex fluidics. RSC Advances, 2015, 5, 37424-37430.	1.7	19
122	Unravelling the structure of the C₆₀ and p-Bu^t-calix[8]arene complex. Chemical Communications, 2015, 51, 11413-11416.	2.2	11
123	Photoredox catalysis under shear using thin film vortex microfluidics. Chemical Communications, 2015, 51, 11041-11044.	2.2	57
124	Shear induced carboplatin binding within the cavity of a phospholipid mimic for increased anticancer efficacy. Scientific Reports, 2015, 5, 10414.	1.6	30
125	Aqueous based synthesis of antimicrobial-decorated graphene. Journal of Colloid and Interface Science, 2015, 443, 88-96.	5.0	20
126	Rapid high conversion of high free fatty acid feedstock into biodiesel using continuous flow vortex fluidics. RSC Advances, 2015, 5, 2276-2280.	1.7	16

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127	Decoloration rates of a photomerocyanine dye as a visual probe into hydrogen bonding interactions. Chemical Communications, 2015, 51, 4815-4818.	2.2	5
128	Facile synthesis of electrochemically active Pt nanoparticle decorated carbon nano onions. New Journal of Chemistry, 2015, 39, 915-920.	1.4	15
129	Shearâ€Stressâ€Mediated Refolding of Proteins from Aggregates and Inclusion Bodies. ChemBioChem, 2015, 16, 393-396.	1.3	80
130	Amphiphilic graphene oxide stabilisation of hexagonal BN and MoS₂ sheets. Chemical Communications, 2015, 51, 11709-11712.	2.2	34
131	Synthesis of few-layer graphene by lamp ablation. Carbon, 2015, 94, 349-351.	5.4	10
132	Nitrate uptake using mesoporous silica embedded with zero-valent palladium nanoparticles. RSC Advances, 2015, 5, 20557-20561.	1.7	5
133	Controlling the organization of phosphonium cations relative to p-sulfonatocalix[4]arene anions. CrystEngComm, 2015, 17, 1526-1530.	1.3	6
134	A new antibiotic with potent activity targets MscL. Journal of Antibiotics, 2015, 68, 453-462.	1.0	46
135	Continuous flow vortex fluidic synthesis of silica xerogel as a delivery vehicle for curcumin. RSC Advances, 2015, 5, 7953-7958.	1.7	16
136	Liquid interface evolution of polyhedral-like graphene. Chemical Communications, 2015, 51, 14609-14612.	2.2	1
137	p-Phosphonic acid calix[8]arene assisted dispersion and stabilisation of pea-pod C₆₀@multi-walled carbon nanotubes in water. Chemical Communications, 2015, 51, 2399-2402.	2.2	19
138	Continuous flow Fischer esterifications harnessing vibrational-coupled thin film fluidics. RSC Advances, 2015, 5, 1655-1660.	1.7	26
139	Towards aryl Câ€“N bond formation in dynamic thin films. Organic and Biomolecular Chemistry, 2014, 12, 4594.	1.5	18
140	Development and validation of a LC/TOF MS method for the determination of carboplatin and paclitaxel in nanovesicles. Analytical and Bioanalytical Chemistry, 2014, 406, 2659-2667.	1.9	19
141	Manipulating the conformation and interplay of p-sulfonated calix[4]arenes by lower rim tri-substitution with Nâ€²-cyanocarbamimidate groups. CrystEngComm, 2014, 16, 5159-5164.	1.3	3
142	Superparamagnetic imposed diatom frustules for the effective removal of phosphates. Green Chemistry, 2014, 16, 82-85.	4.6	12
143	Carbon nanofibres from fructose using a light-driven high-temperature spinning disc processor. Chemical Communications, 2014, 50, 1478-1480.	2.2	13
144	Controlling nanomaterial synthesis, chemical reactions and self assembly in dynamic thin films. Chemical Society Reviews, 2014, 43, 1387-1399.	18.7	50

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145	Nitrate uptake by p-phosphonic acid or p-(trimethylammonium)methyl calix[8]arene stablized laminar materials. RSC Advances, 2014, 4, 48348-48352.	1.7	3
146	Room temperature vortex fluidic synthesis of monodispersed amorphous proto-vaterite. Chemical Communications, 2014, 50, 11764-11767.	2.2	10
147	Evaluating the effects of nacre on human skin and scar cells in culture. Toxicology Research, 2014, 3, 223-227.	0.9	10
148	Continuous flow vortex fluidic production of biodiesel. RSC Advances, 2014, 4, 49850-49854.	1.7	37
149	In situ synthesis of phosphate binding mesocellular siliceous foams impregnated with iron oxide nanoparticles. RSC Advances, 2014, 4, 46718-46722.	1.7	5
150	Self-assembled calixarene aligned patterning of noble metal nanoparticles on graphene. Nanoscale, 2014, 6, 4517-4520.	2.8	16
151	15 years of Green Chemistry. Green Chemistry, 2014, 16, 18-23.	4.6	51
152	Impact of Tunable Oligophosphonates on Barium Sulfate Crystallization. Crystal Growth and Design, 2014, 14, 1419-1429.	1.4	6
153	Hydrogen induced p-phosphonic acid calix[8]arene controlled growth of Ru, Pt and Pd nanoparticles. Chemical Communications, 2014, 50, 15167-15170.	2.2	13
154	Vortex fluidic promoted Dielsâ€“Alder reactions in an aqueous medium. Tetrahedron Letters, 2014, 55, 2246-2248.	0.7	26
155	Thin film microfluidic synthesis of fluorescent highly substituted pyridines. Green Chemistry, 2014, 16, 3450-3453.	4.6	14
156	Shear induced fabrication of intertwined single walled carbon nanotube rings. Chemical Communications, 2014, 50, 11295-11298.	2.2	32
157	Template-free assembly of three-dimensional networks of graphene hollow spheres at the water/toluene interface. Journal of Colloid and Interface Science, 2014, 430, 174-177.	5.0	19
158	Spinning up the polymorphs of calcium carbonate. Scientific Reports, 2014, 4, 3616.	1.6	50
159	Constructing Multicomponent Materials Involving Inclusion of Mono- and Bis-Imidazolium Cations in Gadolinium(III)-p-sulfonatocalix[5]arene Coordination Networks. Crystal Growth and Design, 2013, 13, 2025-2035.	1.4	14
160	Continuous flow tuning of ordered mesoporous silica under ambient conditions. RSC Advances, 2013, 3, 18767.	1.7	32
161	Palladium nano-carbon-calixarene based devices for hydrogen sensing. New Journal of Chemistry, 2013, 37, 3289.	1.4	13
162	Antioxidant phospholipid calix[4]arene mimics as micellular delivery systems. Organic and Biomolecular Chemistry, 2013, 11, 6108.	1.5	25

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163	High-yield synthesis of silicon carbide nanowires by solar and lamp ablation. Nanotechnology, 2013, 24, 335603.	1.3	17
164	Entrapment of Chlorella vulgaris cells within graphene oxide layers. RSC Advances, 2013, 3, 8180.	1.7	50
165	Functional noble metal nanostructures involving pyrene-conjugated-hyaluronan stabilised reduced graphene oxide. RSC Advances, 2013, 3, 25166.	1.7	17
166	Enhanced accumulation of microalgal pigments using metal nanoparticle solutions as light filtering devices. Green Chemistry, 2013, 15, 3155.	4.6	87
167	Unravelling the structure and function of human hair. Green Chemistry, 2013, 15, 1268.	4.6	22
168	Pyrene-conjugated hyaluronan facilitated exfoliation and stabilisation of low dimensional nanomaterials in water. Chemical Communications, 2013, 49, 4845.	2.2	54
169	Nitrate uptake by p-phosphonic acid calix[8]arene stabilized graphene. Chemical Communications, 2013, 49, 8172.	2.2	26
170	Unzipping oyster shell. RSC Advances, 2013, 3, 3284.	1.7	5
171	Biogenic production of palladium nanocrystals using microalgae and their immobilization on chitosan nanofibers for catalytic applications. RSC Advances, 2013, 3, 1009-1012.	1.7	60
172	Stereospecific synthesis of resorcin[4]arenes and pyrogallol[4]arenes in dynamic thin films. Chemical Communications, 2013, 49, 10932.	2.2	26
173	Unfastening pearl nacre nanostructures under shear. CrystEngComm, 2013, 15, 6896.	1.3	2
174	Functional multi-layer grapheneâ€“algae hybrid material formed using vortex fluidics. Green Chemistry, 2013, 15, 650.	4.6	60
175	Shear induced formation of carbon and boron nitride nano-scrolls. Nanoscale, 2013, 5, 498-502.	2.8	68
176	Diatom frustules as light traps enhance DSSC efficiency. Nanoscale, 2013, 5, 873-876.	2.8	74
177	Micelle to extended multi-component bilayer systems involving decyl and dodecyl imidazolium and pyridinium cations. CrystEngComm, 2013, 15, 2888.	1.3	10
178	Vortex fluidic entrapment of functional microalgal cells in a magnetic polymer matrix. Nanoscale, 2013, 5, 2627.	2.8	23
179	Suppressing regrowth of microfluidic generated drugnanocrystals using polyelectrolyte coatings. RSC Advances, 2013, 3, 695-698.	1.7	16
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