

Insik In

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.

201
papers

4,644
citations

37
h-index

57
g-index

209
ext. papers

5,380
ext. citations

5.4
avg, IF

6.06
L-index

#	Paper	IF	Citations
201	Mesoporous nanohybrids of 2D Cobalt-Chromium layered double hydroxide and polyoxovanadate anions for high performance hybrid asymmetric supercapacitors. <i>Journal of Power Sources</i> , 2022 , 524, 231065	8.9	2
200	Hematoporphyrin Photosensitizer-Linked Carbon Quantum Dots for Photodynamic Therapy of Cancer Cells. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4376-4385	5.6	6
199	Light stimulated room-temperature H ₂ S gas sensing ability of Cl-doped carbon quantum dots supported Ag nanoparticles. <i>Carbon</i> , 2022 , 196, 337-346	10.4	1
198	Stability and Degradation of MXene. <i>Engineering Materials</i> , 2022 , 87-107	0.4	4
197	Atomic Force Microscopy: An Advanced Imaging Technique From Molecules to Morphologies 2022 , 115-136		
196	A review on MXenes: new-generation 2D materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 5672-5693	5.8	12
195	Engineering Aggregation-Resistant MXene Nanosheets As Highly Conductive and Stable Inks for All-Printed Electronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2010897	15.6	12
194	Dual-Functional Electrodeposited Vertically Grown Ag-La ₂ O ₃ Nanoflakes for Non-Enzymatic Glucose Sensing and Energy Storage Application. <i>Surfaces and Interfaces</i> , 2021 , 23, 101018	4.1	4
193	Real-Time Wireless Monitoring of Cell Proliferation and Detachment Based on pH-Responsive Conductive Polymer Dots. <i>Analytical Chemistry</i> , 2021 , 93, 8638-8646	7.8	0
192	Bio-mimicking organic-inorganic hybrid ladder-like polysilsesquioxanes as a surface modifier for polyethylene separator in lithium-ion batteries. <i>Journal of Membrane Science</i> , 2021 , 620, 118886	9.6	7
191	Wireless electrochemical and luminescent detection of bacteria based on surface-coated CsWO ₃ -immobilized fluorescent carbon dots with photothermal ablation of bacteria. <i>Chemical Engineering Journal</i> , 2021 , 403, 126351	14.7	21
190	Microwave-assisted synthesis of multifunctional fluorescent carbon quantum dots from A4/B2 polyamidation monomer sets. <i>Applied Surface Science</i> , 2021 , 542, 148471	6.7	13
189	Interaction activated interfacial charge transfer in 2D g-C ₃ N ₄ /GaN nanorods heterostructure for self-powered UV photodetector and room temperature NO ₂ gas sensor at ppb level. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129175	8.5	25
188	Vertically Aligned Nanosheets of an Electrodeposited Lanthanum Oxide Electrode for Non-Enzymatic Glucose Sensing Application. <i>Journal of Electronic Materials</i> , 2021 , 50, 675-685	1.9	4
187	Synthesis of layered copper selenide on reduced graphene oxide sheets via SILAR method for flexible asymmetric solid-state supercapacitor. <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159198	5.7	15
186	Enhancing Light Absorption and Prolonging Charge Separation in Carbon Quantum Dots Cl-Doping for Visible-Light-Driven Photocharge-Transfer Reactions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34648-34657	9.5	16
185	Ultrahigh-performance titanium dioxide-based supercapacitors using sodium polyacrylate-derived carbon dots as simultaneous and synergistic electrode/electrolyte additives. <i>Electrochimica Acta</i> , 2021 , 390, 138805	6.7	5

184	Recent Advances in Quantum Dots for Photocatalytic CO Reduction: A Mini-Review. <i>Frontiers in Chemistry</i> , 2021 , 9, 734108	5	8
183	Hybrid shell of MXene and reduced graphene oxide assembled on PMMA bead core towards tunable thermoconductive and EMI shielding nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106574	8.4	15
182	Near-infrared-activated Z-scheme NaYF ₄ :Yb/Tm@Ag ₃ PO ₄ /Ag@g-C ₃ N ₄ photocatalyst for enhanced H ₂ evolution under simulated solar light irradiation. <i>Chemical Engineering Journal</i> , 2021 , 421, 129687	14.7	21
181	Self-repairable and recyclable self-powered human motion sensor with NIR/pH-responsive amplified Stretchable, Conductive, and Self-Healable hydrogel. <i>Chemical Engineering Journal</i> , 2021 , 426, 131846	14.7	5
180	Tunable Pressure Sensor of -Carbon Dot-Based Conductive Hydrogel with Electrical, Mechanical, and Shape Recovery for Monitoring Human Motion. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51766-51775	9.5	10
179	Wireless label-free electrochemical detection of cancer cells by MnO ₂ -Decorated polymer dots. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128391	8.5	15
178	Bipolar-resistive switching and memristive properties of solution-processable cobalt oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9695-9704	2.1	4
177	Chemical synthesis of nano-grained ytterbium sulfide thin films for supercapacitor application. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 5085-5097	3.3	5
176	Droplet-based continuous flow synthesis of biologically active Bis(indolyl)methanes and Tris(indolyl)methanes. <i>Tetrahedron Letters</i> , 2020 , 61, 152178	2	3
175	Facile synthesis of layered reduced graphene oxide/copper sulfide (rGO-CuS) hybrid electrode for all solid-state symmetric supercapacitor. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2963-2974	2.6	11
174	Mineralized Soft and Elastic Polymer Dot Hydrogel for a Flexible Self-Powered Electronic Skin Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34105-34114	9.5	24
173	Enhancing the Charge Carrier Separation and Transport via Nitrogen-Doped Graphene Quantum Dot-TiO ₂ Nanoplate Hybrid Structure for an Efficient NO Gas Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13428-13436	9.5	48
172	Effect of nickel ion doping in MnO/reduced graphene oxide nanocomposites for lithium adsorption and recovery from aqueous media.. <i>RSC Advances</i> , 2020 , 10, 9245-9257	3.7	15
171	Electrochemical supercapacitive studies of chemically deposited Co ₁ -Ni S thin films. <i>Materials Science in Semiconductor Processing</i> , 2020 , 107, 104799	4.3	6
170	Binder free lanthanum doped manganese oxide @ graphene oxide composite as high energy density electrode material for flexible symmetric solid state supercapacitor. <i>Electrochimica Acta</i> , 2020 , 335, 135613	6.7	25
169	Facile synthesis of nickel cobalt sulfide nano flowers for high performance supercapacitor applications. <i>Materials Today Chemistry</i> , 2020 , 15, 100210	6.2	13
168	GO incorporated SnO ₂ nanotubes as fast response sensors for ethanol vapor in different atmospheres. <i>Journal of Alloys and Compounds</i> , 2020 , 813, 152251	5.7	24
167	Bipolar resistive switching, synaptic plasticity and non-volatile memory effects in the solution-processed zinc oxide thin film. <i>Materials Science in Semiconductor Processing</i> , 2020 , 106, 104769 ^{4.3}	4.3	14

166	Photothermal-modulated reversible volume transition of wireless hydrogels embedded with redox-responsive carbon dots. <i>Biomaterials Science</i> , 2019 , 7, 4800-4812	7.4	6
165	Formulation of PEDOT:S-Graphene Hybrid and Its Application as Transparent Conducting Electrode Materials. <i>Materials Today: Proceedings</i> , 2019 , 10, 448-455	1.4	
164	pH-Selective Fluorescent Probe with Photothermal Ablation of Bacteria Based NIR Dye-Embedded Zwitterionic Carbon Dots. <i>Macromolecular Research</i> , 2019 , 27, 720-728	1.9	6
163	Environmentally Friendly Supercapacitor Based on Carbon Dots from Durian Peel as an Electrode. <i>Key Engineering Materials</i> , 2019 , 803, 115-119	0.4	6
162	Light-Induced Swelling-Responsive Conductive, Adhesive, and Stretchable Wireless Film Hydrogel as Electronic Artificial Skin. <i>Advanced Functional Materials</i> , 2019 , 29, 1903209	15.6	75
161	Selective redox-responsive theragnosis nanocarrier for breast tumor cells mediated by MnO/fluorescent carbon nanogel. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 134, 256-265	5.1	8
160	Utilization of carbon dots from jackfruit for real-time sensing of acetone vapor and understanding the electronic and interfacial interactions using density functional theory. <i>Applied Surface Science</i> , 2019 , 487, 1233-1244	6.7	15
159	Zwitterionic carbon dot-encapsulating pH-responsive mesoporous silica nanoparticles for NIR light-triggered photothermal therapy through pH-controllable release. <i>Biomaterials Science</i> , 2019 , 7, 2600-2610	7.4	21
158	High performance of electrochemical and fluorescent probe by interaction of cell and bacteria with pH-sensitive polymer dots coated surfaces. <i>Materials Science and Engineering C</i> , 2019 , 101, 159-168	8.3	10
157	Ultrathin yttrium fluoride nanostructures: controlled synthesis and polarized up-conversion emission property. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10918-10925	7.1	6
156	Label-free carbon dots from water hyacinth leaves as a highly fluorescent probe for selective and sensitive detection of borax. <i>Sensors and Actuators B: Chemical</i> , 2019 , 299, 126936	8.5	19
155	Mussel-Inspired Polymer Grafting on CsPbBr ₃ Perovskite Quantum Dots Enhancing the Environmental Stability. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1900332	3.1	6
154	Preparation of highly photoluminescent carbon dots from polyurethane: Optimization using response surface methodology and selective detection of silver (I) ion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 568, 184-194	5.1	38
153	Photoluminescence-tunable fluorescent carbon dots-deposited silver nanoparticle for detection and killing of bacteria. <i>Materials Science and Engineering C</i> , 2019 , 97, 613-623	8.3	32
152	Recent advanced thermal interfacial materials: A review of conducting mechanisms and parameters of carbon materials. <i>Carbon</i> , 2019 , 142, 445-460	10.4	160
151	Enhanced photothermal bactericidal activity of chemically reduced graphene oxide stabilized by tripodal amphiphile. <i>Applied Surface Science</i> , 2019 , 474, 111-117	6.7	9
150	Redox- and pH-responsive fluorescent carbon nanoparticles-MnO ₂ -based FRET system for tumor-targeted drug delivery in vivo and in vitro. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 63, 208-219	6.3	54
149	pH-sensitive fluorescent hyaluronic acid nanogels for tumor-targeting and controlled delivery of doxorubicin and nitric oxide. <i>European Polymer Journal</i> , 2018 , 101, 96-104	5.2	25

148	Mechanochemical synthesis of fluorescent carbon dots from cellulose powders. <i>Nanotechnology</i> , 2018 , 29, 165604	3.4	13
147	Progress in internal/external stimuli responsive fluorescent carbon nanoparticles for theranostic and sensing applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1149-1178	7.3	57
146	pH-Responsible fluorescent carbon nanoparticles for tumor selective theranostics via pH-turn on/off fluorescence and photothermal effect in vivo and in vitro. <i>Nanoscale</i> , 2018 , 10, 2512-2523	7.7	31
145	Enhanced dispersion of boron nitride nanosheets in aqueous media by using bile acid-based surfactants. <i>Materials Research Express</i> , 2018 , 5, 015036	1.7	9
144	Preparation of carbon dot-based ratiometric fluorescent probes for cellular imaging from <i>Curcuma longa</i> . <i>Luminescence</i> , 2018 , 33, 40-46	2.5	12
143	Synthesis of catechol-functionalized polymer-based crosslinked thermoresponsive hydrogels for tissue-adhesive material. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 310-320	2	4
142	Boronate-based fluorescent carbon dot for rapid and selectively bacterial sensing by luminescence off/on system. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 159, 1-10	3.5	19
141	Hydrothermal synthesis of fluorescent silicon nanoparticles using maleic acid as surface-stabilizing ligands 2018 , 53, 2443-2452		12
140	pH/Redox-Triggered Photothermal Treatment for Cancer Therapy Based on a Dual-Responsive Cationic Polymer Dot. <i>ChemMedChem</i> , 2018 , 13, 2437-2447	3.7	13
139	Redox-responsive FRET-based polymer dot with BODIPY for fluorescence imaging-guided chemotherapy of tumor. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 132, 200-210	5.7	6
138	Membrane and nucleus targeting for highly sensitive cancer cell detection using pyrophosphate and alkaline phosphatase activity-mediated fluorescence switching of functionalized carbon dots. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5992-6001	7.3	13
137	Alkaline phosphatase-responsive fluorescent polymer probe coated surface for colorimetric bacteria detection. <i>European Polymer Journal</i> , 2018 , 105, 217-225	5.2	14
136	Highly biocompatible yogurt-derived carbon dots as multipurpose sensors for detection of formic acid vapor and metal ions. <i>Optical Materials</i> , 2018 , 81, 93-101	3.3	32
135	Dual-Responsive Carbon Dot for pH/Redox-Triggered Fluorescence Imaging with Controllable Photothermal Ablation Therapy of Cancer. <i>ChemMedChem</i> , 2018 , 13, 1459-1468	3.7	10
134	Microwave-assisted Synthesis of Highly Fluorescent and Biocompatible Silicon Nanoparticles Using Glucose as Dual Roles of Reducing Agents and Hydrophilic Ligands. <i>Chemistry Letters</i> , 2017 , 46, 398-400	1.7	2
133	Performance of NIR-Mediated Antibacterial Continuous Flow Microreactors Prepared by Mussel-Inspired Immobilization of CsWO Photothermal Agents. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3192-3200	9.5	32
132	Exfoliation of black phosphorus in ionic liquids. <i>Nanotechnology</i> , 2017 , 28, 125603	3.4	39
131	Microwave-assisted synthesis of fluorescent carbon quantum dots from an A2/B3 monomer set. <i>RSC Advances</i> , 2017 , 7, 12663-12669	3.7	41

130	Temperature-sensitive carbon dots derived from poly(N-isopropylacrylamide) for fluorescence on/off properties. <i>RSC Advances</i> , 2017 , 7, 11149-11157	3.7	7
129	Synthesis of FeOOH/Fe ₃ O ₄ hybrid photocatalyst using catechol-quaternized poly(N-vinyl pyrrolidone) as a double-sided molecular tape. <i>Journal of Materials Science</i> , 2017 , 52, 8493-8501	4.3	7
128	pH-Responsive NIR-Absorbing Fluorescent Polydopamine with Hyaluronic Acid for Dual Targeting and Synergistic Effects of Photothermal and Chemotherapy. <i>Biomacromolecules</i> , 2017 , 18, 1825-1835	6.9	54
127	Visible-light-driven photocatalysis with dopamine-derivatized titanium dioxide/N-doped carbon core/shell nanoparticles. <i>Journal of Materials Science</i> , 2017 , 52, 5582-5588	4.3	6
126	Photo-switchable spiropyran immobilized polystyrene beads using catechol chemistry. <i>Surface and Interface Analysis</i> , 2017 , 49, 759-765	1.5	7
125	Microwave-assisted synthesis of luminescent and biocompatible lysine-based carbon quantum dots. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 47, 329-335	6.3	96
124	pH-switchable bacteria detection using zwitterionic fluorescent polymer. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 394-402	11.8	17
123	Highly Efficient Visible Blue-Emitting Black Phosphorus Quantum Dot: Mussel-Inspired Surface Functionalization for Bioapplications. <i>ACS Omega</i> , 2017 , 2, 7096-7105	3.9	27
122	Microwave-assisted Synthesis of Fluorescent Polymer Dots from Hyperbranched Polyethylenimine and Glycerol. <i>Chemistry Letters</i> , 2017 , 46, 1463-1465	1.7	1
121	Design of Surface-Coatable NIR-Responsive Fluorescent Nanoparticles with PEI Passivation for Bacterial Detection and Killing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33317-33326	9.5	35
120	Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from A/B Polyamidation Monomer Set. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27883-27893	9.5	37
119	Target-specific induced hyaluronic acid decorated silica fluorescent nanoparticles@polyaniline for bio-imaging guided near-infrared photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 7099-7108	7.3	21
118	Multifunctional, pH-responsive graft copolymer prepared from deproteinized natural rubber and 4-vinylpyridine via emulsion polymerization. <i>Polymer International</i> , 2017 , 66, 1864-1872	3.3	
117	Determination of Cancer Cell-Based pH-Sensitive Fluorescent Carbon Nanoparticles of Cross-Linked Polydopamine by Fluorescence Sensing of Alkaline Phosphatase Activity on Coated Surfaces and Aqueous Solution. <i>Analytical Chemistry</i> , 2017 , 89, 13508-13517	7.8	24
116	Mitochondria-targeted fluorescent carbon nano-platform for NIR-triggered hyperthermia and mitochondrial inhibition. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 55, 224-233	6.3	31
115	Rapid fluorometric bacteria detection assay and photothermal effect by fluorescent polymer of coated surfaces and aqueous state. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 1026-1033	11.8	23
114	Preparation of dual-responsive hybrid fluorescent nano probe based on graphene oxide and boronic acid/BODIPY-conjugated polymer for cell imaging. <i>Materials Science and Engineering C</i> , 2017 , 71, 1064-1071	8.3	14
113	Tunable Exciton Dissociation and Luminescence Quantum Yield at a Wide Band Gap Nanocrystal/Quasi-Ordered Regioregular Polythiophene interface. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26119-26128	3.8	4

112	Visible-Light-Driven Photocatalysts of Perfluorinated Silica-Based Fluorescent Carbon Dot/TiO for Tunable Hydrophilic-Hydrophobic Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29827-29834	9.5	17
111	Photothermal conversion upon near-infrared irradiation of fluorescent carbon nanoparticles formed from carbonized polydopamine. <i>RSC Advances</i> , 2016 , 6, 61482-61491	3.7	28
110	Synthesis and antibacterial activity of surface-coated catechol-conjugated polymer with silver nanoparticles on versatile substrate. <i>Surface and Interface Analysis</i> , 2016 , 48, 995-1001	1.5	5
109	Theranostics dye integrated zwitterionic polymer for in vitro and in vivo photothermal cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 336-344	6.3	25
108	Concentration-mediated multicolor fluorescence polymer carbon dots. <i>Luminescence</i> , 2016 , 31, 897-904	2.5	15
107	NIR-Mediated Antibacterial Clay Nanocomposites: Exfoliation of Montmorillonite Nanolayers by IR825 Intercalation. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 141-148	3.9	11
106	Remarkably enhanced adhesion of coherently aligned catechol-terminated molecules on ultraclean ultraflat gold nanoplates. <i>Nanotechnology</i> , 2016 , 27, 475705	3.4	3
105	Reusable Fe ₃ O ₄ and WO ₃ immobilized onto montmorillonite as a photo-reactive antimicrobial agent. <i>RSC Advances</i> , 2016 , 6, 54486-54494	3.7	14
104	Surface patterned pH-sensitive fluorescence using Cyclodextrin functionalized poly(ethylene glycol). <i>Carbohydrate Polymers</i> , 2016 , 147, 436-443	10.3	6
103	Surface coated fluorescent carbon nanoparticles/TiO ₂ as visible-light sensitive photocatalytic complexes for antifouling activity. <i>Carbon</i> , 2016 , 103, 412-420	10.4	37
102	Study of photo-induced hydrophilicity and self-cleaning property of glass surfaces immobilized with TiO ₂ nanoparticles using catechol chemistry. <i>Surface and Coatings Technology</i> , 2016 , 294, 75-82	4.4	25
101	Pluronic mimicking fluorescent carbon nanoparticles conjugated with doxorubicin via acid-cleavable linkage for tumor-targeted drug delivery and bioimaging. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 43, 150-157	6.3	27
100	In situ synthesis of luminescent carbon nanoparticles toward target bioimaging. <i>Nanoscale</i> , 2015 , 7, 5468-5475	9.75	46
99	Mussel-inspired synthesis of boron nitride nanosheet-supported gold nanoparticles and their application for catalytic reduction of 4-nitrophenol. <i>Nanotechnology</i> , 2015 , 26, 105601	3.4	39
98	Simple noncovalent hybridization of polyaniline with graphene and its application for pseudocapacitor. <i>Synthetic Metals</i> , 2015 , 209, 60-67	3.6	15
97	Target delivery of Cyclodextrin/paclitaxel complexed fluorescent carbon nanoparticles: externally NIR light and internally pH sensitive-mediated release of paclitaxel with bio-imaging. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 5833-5841	7.3	57
96	Light controllable surface coating for effective photothermal killing of bacteria. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15600-6	9.5	104
95	Microreactor-Mediated Benzylic Bromination in Concentrated Solar Radiation. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1653	1.2	14

94	Iron Oxide@PEDOT-Based Recyclable Photothermal Nanoparticles with Poly(vinylpyrrolidone) Sulfobetaines for Rapid and Effective Antibacterial Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9469-78	9.5	66
93	Microreactor mediated deoxygenation of benzylic alcohols in a biphasic organic-aqueous medium. <i>Tetrahedron Letters</i> , 2015 , 56, 2795-2798	2	2
92	Preparation of biocompatible and antibacterial carbon quantum dots derived from resorcinol and formaldehyde spheres. <i>RSC Advances</i> , 2015 , 5, 31677-31682	3.7	35
91	In Vitro and In Vivo Tumor Targeted Photothermal Cancer Therapy Using Functionalized Graphene Nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 3519-29	6.9	59
90	Production of quasi-2D graphene nanosheets through the solvent exfoliation of pitch-based carbon fiber. <i>Nanotechnology</i> , 2015 , 26, 375602	3.4	10
89	Soluble Chemically Reduced Graphene Oxide Assembly with High-molecular-weight Poly(ethylene glycol) through Noncovalent Interaction. <i>Chemistry Letters</i> , 2015 , 44, 542-544	1.7	2
88	Visualization of Noncovalent Interaction between Aliphatic Dendrimers and Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015 , 44, 665-667	1.7	6
87	Facile Noncovalent Formulation of Organo-soluble Chemically Reduced Graphene Oxide/Semiconducting Polymer Assembly. <i>Chemistry Letters</i> , 2015 , 44, 685-687	1.7	2
86	Photocatalytic Activity of Titanium Dioxide Nanoparticles Linked on Chemically Reduced Graphene Oxide through Mussel-inspired Chemistry. <i>Chemistry Letters</i> , 2015 , 44, 1068-1070	1.7	4
85	Hybridization of Polyaniline on Sulfonated Graphene for an Electrochemical Supercapacitor. <i>Chemistry Letters</i> , 2015 , 44, 217-219	1.7	1
84	Specific Streptavidin Binding on Biotinylated Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015 , 44, 922-924	1.7	1
83	Production of graphene oxide from pitch-based carbon fiber. <i>Scientific Reports</i> , 2015 , 5, 11707	4.9	15
82	Synthesis and antibacterial activity of versatile substrate-coated biocidal material via catechol chemistry. <i>Surface and Interface Analysis</i> , 2015 , 47, 259-264	1.5	13
81	Mussel-Inspired Immobilization of Catalysts for Microchemical Applications. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500174	4.6	9
80	Preparation of exfoliated montmorillonite nanocomposites with catechol/zwitterionic quaternized polymer for an antifouling coating. <i>Polymer Engineering and Science</i> , 2015 , 55, 2111-2117	2.3	5
79	Facile preparation of metal nanoparticle-coated polystyrene beads by catechol conjugated polymer. <i>Surface and Interface Analysis</i> , 2015 , 47, 253-258	1.5	5
78	Environmentally friendly synthesis of p-doped reduced graphene oxide with high dispersion stability by using red table wine. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1192-7	4.5	5
77	pH triggered in vivo photothermal therapy and fluorescence nanoplatfrom of cancer based on responsive polymer-indocyanine green integrated reduced graphene oxide. <i>Biomaterials</i> , 2015 , 61, 229-38	15.6	124

76	Direct noncovalent conjugation of folic acid on reduced graphene oxide as anticancer drug carrier. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 30, 190-196	6.3	44
75	Triphenylene containing host materials with high thermal stability for green phosphorescent organic light emitting diode. <i>Dyes and Pigments</i> , 2014 , 101, 221-228	4.6	19
74	Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. <i>Nanoscale</i> , 2014 , 6, 15196-202	7.7	69
73	Photo- and pH-tunable multicolor fluorescent nanoparticle-based spiropyran- and BODIPY-conjugated polymer with graphene oxide. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 2921-7	4.5	45
72	pH/redox/photo responsive polymeric micelle via boronate ester and disulfide bonds with spiropyran-based photochromic polymer for cell imaging and anticancer drug delivery. <i>European Polymer Journal</i> , 2014 , 57, 1-10	5.2	59
71	Additive-free hollow-structured Co ₃ O ₄ nanoparticle Li-ion battery: the origins of irreversible capacity loss. <i>ACS Nano</i> , 2014 , 8, 6701-12	16.7	83
70	pH and redox responsive polymer for antifouling surface coating. <i>Applied Surface Science</i> , 2014 , 313, 532-536	6.7	25
69	Formulation of Silver Nanowire/Polyaniline Hybrid Transparent Electrodes by Using Catechol-enriched Polyaniline. <i>Chemistry Letters</i> , 2014 , 43, 1453-1455	1.7	5
68	Photoresponsive Modulation of Mass Transfer through Spiropyran-grafted Anodized Aluminum Oxide Membrane. <i>Chemistry Letters</i> , 2014 , 43, 1540-1541	1.7	2
67	Formulation of Silver Nanowire/Reduced Graphene Oxide Hybrid Transparent Electrodes by Using Catechol-functionalized Poly(vinylpyrrolidone). <i>Chemistry Letters</i> , 2014 , 43, 723-725	1.7	6
66	Superior Photocatalytic Activity of Titanium Dioxide Nanoparticles Linked on Single-walled Carbon Nanotubes through Mussel-inspired Chemistry. <i>Chemistry Letters</i> , 2014 , 43, 1806-1808	1.7	5
65	Preparation of Sub-20-nm Conductive Silver Pattern Using Photosensitive Silver Paste. <i>Chemistry Letters</i> , 2014 , 43, 1855-1857	1.7	1
64	Antimicrobial activity of water resistant surface coating from catechol conjugated polyquaternary amine on versatile substrates. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	1
63	Boron nitride nanosheets decorated with silver nanoparticles through mussel-inspired chemistry of dopamine. <i>Nanotechnology</i> , 2014 , 25, 445603	3.4	35
62	Competition between Charge Transport and Energy Barrier in Injection-Limited Metal/Quantum Dot Nanocrystal Contacts. <i>Chemistry of Materials</i> , 2014 , 26, 6393-6400	9.6	11
61	Highly electrocatalytic hybrid silver nanowire-graphene counter electrode for Co ³⁺ /2 ⁺ redox mediator based dye-sensitized solar cells. <i>Synthetic Metals</i> , 2013 , 177, 77-81	3.6	8
60	Temperature and pH-tunable fluorescence nanoplatfrom with graphene oxide and BODIPY-conjugated polymer for cell imaging and therapy. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1408-15	4.8	30
59	Preparation of stable dispersions of chemically reduced graphene oxide through noncovalent interactions with poly(N-isopropyl acrylamide)-grafted pluronic copolymer. <i>Journal of Materials Science</i> , 2013 , 48, 3357-3362	4.3	2

58	Target delivery and cell imaging using hyaluronic acid-functionalized graphene quantum dots. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3736-44	5.6	178
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56	Triggered pH/redox responsive release of doxorubicin from prepared highly stable graphene with thiol grafted Pluronic. <i>International Journal of Pharmaceutics</i> , 2013 , 450, 208-17	6.5	39
55	Recyclable and stable silver deposited magnetic nanoparticles with poly (vinyl pyrrolidone)-catechol coated iron oxide for antimicrobial activity. <i>Materials Science and Engineering C</i> , 2013 , 33, 3786-94	8.3	54
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52	Formulation of chemically reduced graphene oxide assembly with poly(4-vinyl pyridine) through noncovalent interaction. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2538-2543	2.9	12
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49	Solubilization of Chemically Reduced Graphene Oxide Using Coffee Catechol. <i>Chemistry Letters</i> , 2013 , 42, 189-190	1.7	8
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46	Chemiluminescence Quenching of Luminol-functionalized Chemically Reduced Graphene Oxide through Noncovalent Interaction. <i>Chemistry Letters</i> , 2013 , 42, 48-49	1.7	4
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