

Insik In

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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	Blood compatible graphene/heparin conjugate through noncovalent chemistry. <i>Biomacromolecules</i> , 2011 , 12, 336-41	6.9	185
200	Target delivery and cell imaging using hyaluronic acid-functionalized graphene quantum dots. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3736-44	5.6	178
199	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
198	Side-chain-grafted random copolymer brushes as neutral surfaces for controlling the orientation of block copolymer microdomains in thin films. <i>Langmuir</i> , 2006 , 22, 7855-60	4	133
197	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
196	Optically modulated conduction in chromophore-functionalized single-wall carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 98, 086802	7.4	117
195	Light controllable surface coating for effective photothermal killing of bacteria. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15600-6	9.5	104
194	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
193	Photopatternable Imaging Layers for Controlling Block Copolymer Microdomain Orientation. <i>Advanced Materials</i> , 2007 , 19, 4448-4452	24	94
192	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
191	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
190	Role of poly(N-vinyl-2-pyrrolidone) as stabilizer for dispersion of graphene via hydrophobic interaction. <i>Journal of Materials Science</i> , 2011 , 46, 1316-1321	4.3	72
189	Spontaneous one dimensional arrangement of spherical Au nanoparticles with liquid crystal ligands. <i>Chemical Communications</i> , 2005 , 800-1	5.8	71
188	Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. <i>Nanoscale</i> , 2014 , 6, 15196-202	7.7	69
187	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
186	In Vitro and In Vivo Tumor Targeted Photothermal Cancer Therapy Using Functionalized Graphene Nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 3519-29	6.9	59
185	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

184	Target delivery of β -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
183	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
182	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
181	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
180	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
179	Enhancing the Charge Carrier Separation and Transport via Nitrogen-Doped Graphene Quantum Dot-TiO Nanoplate Hybrid Structure for an Efficient NO Gas Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13428-13436	9.5	48
178	Preparation of water soluble graphene using polyethylene glycol: Comparison of covalent approach and noncovalent approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2011 , 17, 298-303	6.3	48
177	Soluble wholly aromatic polyamides containing unsymmetrical pyridyl ether linkages. <i>Polymer</i> , 2006 , 47, 547-552	3.9	48
176	In situ synthesis of luminescent carbon nanoparticles toward target bioimaging. <i>Nanoscale</i> , 2015 , 7, 5468-75	7.75	46
175	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
174	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
173	Successful stabilization of functionalized hybrid graphene for high-performance antimicrobial activity. <i>Acta Biomaterialia</i> , 2013 , 9, 7996-8003	10.8	44
172	Microwave-assisted synthesis of fluorescent carbon quantum dots from an A ₂ /B ₃ monomer set. <i>RSC Advances</i> , 2017 , 7, 12663-12669	3.7	41
171	Functional Self-Assembled Monolayers for Optimized Photoinduced Charge Transfer in Organic Field Effect Transistors. <i>Advanced Materials</i> , 2007 , 19, 4353-4357	24	41
170	Exfoliation of black phosphorus in ionic liquids. <i>Nanotechnology</i> , 2017 , 28, 125603	3.4	39
169	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
168	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
167	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

166	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
165	Thermo-Responsive Assembly of Chemically Reduced Graphene and Poly(N-isopropylacrylamide). <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 336-341	2.6	37
164	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
163	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
162	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
161	Boron nitride nanosheets decorated with silver nanoparticles through mussel-inspired chemistry of dopamine. <i>Nanotechnology</i> , 2014 , 25, 445603	3.4	35
160	Hyperbranched Poly(arylene ether amide) via Nucleophilic Aromatic Substitution Reaction. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 1862-1869	2.6	33
159	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
158	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
157	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
156	pH-Responsive 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
155	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
154	Temperature and pH-tunable fluorescence nanoplatform with graphene oxide and BODIPY-conjugated polymer for cell imaging and therapy. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1408-15	4.8	30
153	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
152	Solubilization of Reduced Graphene in Water through Noncovalent Interaction with Dendrimers. <i>Chemistry Letters</i> , 2010 , 39, 1160-1161	1.7	28
151	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
150	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
149	Spiropyran-conjugated pluronic as a dual responsive colorimetric detector. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1958-63	4.8	26

148	Synthesis of Hyperbranched Poly(phenylene oxide) by Ullmann Polycondensation and Subsequent Utilization as Unimolecular Micelle. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1660-1664	2.6	26
147	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
146	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
145	pH and redox responsive polymer for antifouling surface coating. <i>Applied Surface Science</i> , 2014 , 313, 532-536	6.7	25
144	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
143	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
142	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
141	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
140	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
139	Soluble rigid rod-like polyimides and polyamides containing curable pendent groups. <i>Polymer</i> , 2005 , 46, 3992-4004	3.9	24
138	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
137	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
136	Submillimeter-scale Graphene Patterning through Ink-jet Printing of Graphene Oxide Ink. <i>Chemistry Letters</i> , 2011 , 40, 54-55	1.7	23
135	Long-term stable dye-sensitized solar cells based on UV photo-crosslinkable poly(ethylene glycol) and poly(ethylene glycol) diacrylate based electrolytes. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 318-322	6.4	23
134	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
133	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
132	Novel photo-crosslinkable polymeric electrolyte system based on poly(ethylene glycol) and trimethylolpropane triacrylate for dye-sensitized solar cell with long-term stability. <i>Electrochimica Acta</i> , 2009 , 54, 6306-6311	6.7	21
131	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

130	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
129	Temperature-sensitive hydrogel prepared by graft polymerization of N-isopropylacrylamide onto macroradical Pluronic. <i>Journal of Industrial and Engineering Chemistry</i> , 2012 , 18, 321-324	6.3	20
128	Enhanced hole mobility in ambipolar rubrene thin film transistors on polystyrene. <i>Applied Physics Letters</i> , 2008 , 92, 133302	3.4	20
127	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
126	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
125	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
124	Chromophore Orientation Dynamics, Phase Stability, and Photorefractive Effects in Branched Azobenzene Chromophores. <i>Macromolecules</i> , 2006 , 39, 957-961	5.5	19
123	pH-switchable bacteria detection using zwitterionic fluorescent polymer. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 394-402	11.8	17
122	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
121	Enhanced Solvent Exfoliation of Graphite to Graphene Dispersion in the Presence of Polymer Additive. <i>Chemistry Letters</i> , 2011 , 40, 567-569	1.7	16
120	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
119	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
118	Simple noncovalent hybridization of polyaniline with graphene and its application for pseudocapacitor. <i>Synthetic Metals</i> , 2015 , 209, 60-67	3.6	15
117	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
116	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
115	Production of graphene oxide from pitch-based carbon fiber. <i>Scientific Reports</i> , 2015 , 5, 11707	4.9	15
114	Concentration-mediated multicolor fluorescence polymer carbon dots. <i>Luminescence</i> , 2016 , 31, 897-904	2.5	15
113	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

112	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
111	Microreactor-Mediated Benzylic Bromination in Concentrated Solar Radiation. <i>Australian Journal of Chemistry</i> , 2015 , 68, 1653	1.2	14
110	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
109	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
108	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, 104769-104803	4.3	14
107	Alkaline phosphatase-responsive fluorescent polymer probe coated surface for colorimetric bacteria detection. <i>European Polymer Journal</i> , 2018 , 105, 217-225	5.2	14
106	Mechanochemical synthesis of fluorescent carbon dots from cellulose powders. <i>Nanotechnology</i> , 2018 , 29, 165604	3.4	13
105	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
104	pH-Responsive Optical Modulation of Chemically Reduced Graphene through Noncovalent Interaction with Poly(acrylic acid). <i>Chemistry Letters</i> , 2012 , 41, 127-128	1.7	13
103	Antibacterial Activity of Chemically Reduced Graphene Oxide Assembly with Chitosan through Noncovalent Interactions. <i>Chemistry Letters</i> , 2013 , 42, 66-67	1.7	13
102	Poly(N-isopropylacrylamide)-grafted Thermosensitive Anodized Aluminum Oxide Membrane. <i>Chemistry Letters</i> , 2010 , 39, 1190-1191	1.7	13
101	Facile synthesis of nickel cobalt sulfide nano flowers for high performance supercapacitor applications. <i>Materials Today Chemistry</i> , 2020 , 15, 100210	6.2	13
100	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
99	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
98	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
97	Preparation of carbon dot-based ratiometric fluorescent probes for cellular imaging from Curcuma longa. <i>Luminescence</i> , 2018 , 33, 40-46	2.5	12
96	Zwitterionic fluorescent nanoparticles prepared using BODIPY conjugated polysulfobetaines for cancer cell imaging. <i>New Journal of Chemistry</i> , 2013 , 37, 3845	3.6	12
95	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

94	Imaging layers for the directed assembly of block copolymer films: Dependence of the physical and chemical properties of patterned polymer brushes on brush molecular weight. <i>Journal of Vacuum Science & Technology B</i> , 2007 , 25, 1958		12
93	A review on MXenes: new-generation 2D materials for supercapacitors. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 5672-5693	5.8	12
92	Hydrothermal synthesis of fluorescent silicon nanoparticles using maleic acid as surface-stabilizing ligands 2018 , 53, 2443-2452		12
91	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
90	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
89	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
88	Temperature-dependent Optical Transmittance of Chemically Reduced Graphene Oxide/Hydroxypropyl Cellulose Assembly. <i>Chemistry Letters</i> , 2012 , 41, 197-199	1.7	11
87	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
86	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
85	Production of quasi-2D graphene nanosheets through the solvent exfoliation of pitch-based carbon fiber. <i>Nanotechnology</i> , 2015 , 26, 375602	3.4	10
84	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
83	Poly(dimethylsiloxane)-protected Silver Nanowire Network for Transparent Conductor with Enhanced Oxidation Resistance and Adhesion Properties. <i>Chemistry Letters</i> , 2013 , 42, 191-193	1.7	10
82	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
81	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
80	Mussel-Inspired Immobilization of Catalysts for Microchemical Applications. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500174	4.6	9
79	The catalytic properties of the sputtered iron on carbon nanotubes for polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 6268-6271	6.7	9
78	Formation of Semiconducting Chemically Reduced Graphene Oxide/Cellulose Assembly through Noncovalent Interactions. <i>Chemistry Letters</i> , 2013 , 42, 1409-1411	1.7	9
77	Linear and branched fluoroazo-benzene chromophores with increased compatibility in semifluorinated polymers. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 3166-3177	2.5	9

76	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
75	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
74	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
73	Solubilization of Chemically Reduced Graphene Oxide Using Coffee Catechol. <i>Chemistry Letters</i> , 2013 , 42, 189-190	1.7	8
72	Simultaneous study of exciton diffusion/dissociation and charge transport in a donor-acceptor bilayer: pentacene on a C60 -terminated self-assembled monolayer. <i>Advanced Materials</i> , 2013 , 25, 6453-84	3.4	8
71	Synthesis of nitrile and benzoyl substituted poly(biphenylene oxide)s via nitro displacement reaction. <i>Polymer</i> , 2006 , 47, 4549-4556	3.9	8
70	Recent Advances in Quantum Dots for Photocatalytic CO Reduction: A Mini-Review. <i>Frontiers in Chemistry</i> , 2021 , 9, 734108	5	8
69	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
68	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
67	Photo-switchable spiropyran immobilized polystyrene beads using catechol chemistry. <i>Surface and Interface Analysis</i> , 2017 , 49, 759-765	1.5	7
66	Poly(arylene thioether) synthesis via nitro-displacement reaction. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 2440-2447	2.5	7
65	A new photoresist based on hyperbranched poly(arylene ether phosphine oxide). <i>Polymer Bulletin</i> , 2003 , 49, 349-355	2.4	7
64	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
63	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
62	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
61	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
60	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
59	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

58	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
57	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
56	Visualization of Noncovalent Interaction between Aliphatic Dendrimers and Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015 , 44, 665-667	1.7	6
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