

Sung Young Park

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.

168
papers

5,386
citations

38
h-index

67
g-index

170
ext. papers

6,071
ext. citations

5.9
avg, IF

6.09
L-index

#	Paper	IF	Citations
168	Visible light-responsive mechanically and electronically controllable conductive carbon dot-hydrogel-based pressure-strain sensor for wireless monitoring of antifouling performance. <i>Composites Science and Technology</i> , 2022 , 218, 109212	8.6	1
167	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
166	Conductive membrane sensor-based temperature and pressure responsive F-polymer dot hydrogels. <i>Composites Part B: Engineering</i> , 2022 , 234, 109755	10	1
165	Chronic wound-dressing chitosan-polyphenolic patch for pH responsive local antibacterial activity. <i>Materials Today Communications</i> , 2022 , 31, 103310	2.5	1
164	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
163	Rapid and selective electrochemical sensing of bacterial pneumonia in human sputum based on conductive polymer dot electrodes. <i>Sensors and Actuators B: Chemical</i> , 2022 , 368, 132084	8.5	1
162	Tumor microenvironment-responsive touch sensor-based pH-triggered controllable conductive hydrogel. <i>Applied Materials Today</i> , 2021 , 25, 101259	6.6	1
161	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
160	Mitochondria-targeted ROS- and GSH-responsive diselenide-crosslinked polymer dots for programmable paclitaxel release. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 99, 98-106	6.3	18
159	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
158	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
157	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
156	GSH-responsive self-healable conductive hydrogel of highly sensitive strain-pressure sensor for cancer cell detection. <i>Nano Today</i> , 2021 , 39, 101178	17.9	12
155	Cancer cells targeted visible light and alkaline Phosphatase-Responsive TiO ₂ /Cu ²⁺ carbon Dots-Coated wireless electrochemical biosensor. <i>Chemical Engineering Journal</i> , 2021 , 417, 129196	14.7	9
154	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
153	Reusable biosensor-based polymer dot-coated electrode surface for wireless detection of bacterial contamination. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130503	8.5	2
152	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

151	Tuning conductivity and roughness of diselenide polymer dot-coated surface for ROS-mediated selective real-time wireless detection of cancer cells. <i>Chemical Engineering Journal</i> , 2021 , 426, 130880	14.7	3
150	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
149	Responsive polymers for medical diagnostics. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 6217-6232	7.3	6
148	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
147	Diselenide-Bridged Carbon-Dot-Mediated Self-Healing, Conductive, and Adhesive Wireless Hydrogel Sensors for Label-Free Breast Cancer Detection. <i>ACS Nano</i> , 2020 , 14, 8409-8420	16.7	39
146	Carbon Dots Integrated NiCo ₂ O ₄ Hierarchical Nanoneedle Arrays Supported on Ni Foam as Efficient and Stable Electrode for Hydrogen and Oxygen Evolution Reactions. <i>Electroanalysis</i> , 2020 , 32, 2090-2100	3	4
145	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
144	Construction of FeCoO@N-Doped Carbon Dots Nanoflowers as Binder Free Electrode for Reduction and Oxidation of Water. <i>Materials</i> , 2020 , 13,	3.5	11
143	Highly sensitive non-enzymatic wireless glucose sensor based on NiTiO oxide nanoneedle-anchored polymer dots. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 89, 485-493	6.3	22
142	NIR-vis-Induced pH-Sensitive TiO Immobilized Carbon Dot for Controllable Membrane-Nuclei Targeting and Photothermal Therapy of Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37929-37942	9.5	20
141	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
140	The chemistry and engineering of mussel-inspired glue matrix for tissue adhesive and hemostatic. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 749-756	6.3	25
139	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
138	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
137	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
136	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
135	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
134	NIR-induced pH-reversible self-healing monitoring with smartphone by wireless hydrogel sensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 297, 126783	8.5	20

133	Recyclable metal nanoparticle-immobilized polymer dot on montmorillonite for alkaline phosphatase-based colorimetric sensor with photothermal ablation of Bacteria. <i>Analytica Chimica Acta</i> , 2019 , 1082, 152-164	6.6	21
132	Reduction-Triggered Paclitaxel Release Nano-Hybrid System Based on Core-Crosslinked Polymer Dots with a pH-Responsive Shell-Cleavable Colorimetric Biosensor. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	4
131	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
130	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
129	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
128	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
127	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
126	Mechanochemical synthesis of fluorescent carbon dots from cellulose powders. <i>Nanotechnology</i> , 2018 , 29, 165604	3.4	13
125	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
124	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
123	Preparation of carbon dot-based ratiometric fluorescent probes for cellular imaging from Curcuma longa. <i>Luminescence</i> , 2018 , 33, 40-46	2.5	12
122	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
121	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
120	Cellular Delivery of siRNA Using Poly(2-dimethylaminoethyl methacrylate)- Functionalized Graphene Oxide Nano-Wrap. <i>Macromolecular Research</i> , 2018 , 26, 1115-1122	1.9	2
119	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
118	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
117	Progressive fuzzy cation-assembly of biological catecholamines. <i>Science Advances</i> , 2018 , 4, eaat7457	14.3	125
116	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

115	Alkaline phosphatase-responsive fluorescent polymer probe coated surface for colorimetric bacteria detection. <i>European Polymer Journal</i> , 2018 , 105, 217-225	5.2	14
114	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
113	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
112	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
111	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
110	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
109	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
108	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
107	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
106	Photo-switchable spiropyran immobilized polystyrene beads using catechol chemistry. <i>Surface and Interface Analysis</i> , 2017 , 49, 759-765	1.5	7
105	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
104	pH-switchable bacteria detection using zwitterionic fluorescent polymer. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 394-402	11.8	17
103	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
102	Phenolic condensation and facilitation of fluorescent carbon dot formation: a mechanism study. <i>Nanoscale</i> , 2017 , 9, 16596-16601	7.7	24
101	Microwave-assisted Synthesis of Fluorescent Polymer Dots from Hyperbranched Polyethylenimine and Glycerol. <i>Chemistry Letters</i> , 2017 , 46, 1463-1465	1.7	1
100	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
99	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
98	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

97	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
96	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
95	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
94	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
93	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	8.5	17
92	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
91	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
90	Synthesis and characterization of a new photo-crosslinkable glycol chitosan thermogel for biomedical applications. <i>Carbohydrate Polymers</i> , 2016 , 144, 59-67	10.3	46
89	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
88	Near-infrared-active and pH-responsive fluorescent polymer-integrated hybrid graphene oxide nanoparticles for the detection and treatment of cancer. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	14
87	Concentration-mediated multicolor fluorescence polymer carbon dots. <i>Luminescence</i> , 2016 , 31, 897-904	2.5	15
86	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
85	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
84	Surface patterned pH-sensitive fluorescence using β -cyclodextrin functionalized poly(ethylene glycol). <i>Carbohydrate Polymers</i> , 2016 , 147, 436-443	10.3	6
83	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
82	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
81	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
80	In situ synthesis of luminescent carbon nanoparticles toward target bioimaging. <i>Nanoscale</i> , 2015 , 7, 5468-75	7.5	46

79	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
78	Simple noncovalent hybridization of polyaniline with graphene and its application for pseudocapacitor. <i>Synthetic Metals</i> , 2015 , 209, 60-67	3.6	15
77	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
76	Light controllable surface coating for effective photothermal killing of bacteria. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15600-6	9.5	104
75	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
74	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
73	Functionalized biocompatible WO ₃ nanoparticles for triggered and targeted in vitro and in vivo photothermal therapy. <i>Journal of Controlled Release</i> , 2015 , 217, 211-20	11.7	69
72	In Vitro and In Vivo Tumor Targeted Photothermal Cancer Therapy Using Functionalized Graphene Nanoparticles. <i>Biomacromolecules</i> , 2015 , 16, 3519-29	6.9	59
71	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
70	Visualization of Noncovalent Interaction between Aliphatic Dendrimers and Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015 , 44, 665-667	1.7	6
69	Facile Noncovalent Formulation of Organo-soluble Chemically Reduced Graphene Oxide/Semiconducting Polymer Assembly. <i>Chemistry Letters</i> , 2015 , 44, 685-687	1.7	2
68	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
67	Hybridization of Polyaniline on Sulfonated Graphene for an Electrochemical Supercapacitor. <i>Chemistry Letters</i> , 2015 , 44, 217-219	1.7	1
66	Specific Streptavidin Binding on Biotinylated Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015 , 44, 922-924	1.7	1
65	Production of graphene oxide from pitch-based carbon fiber. <i>Scientific Reports</i> , 2015 , 5, 11707	4.9	15
64	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
63	Mussel-Inspired Immobilization of Catalysts for Microchemical Applications. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500174	4.6	9
62	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

61	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
60	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
59	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
58	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
57	Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. <i>Nanoscale</i> , 2014 , 6, 15196-202	7.7	69
56	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
55	Tunable and selective detection of cancer cells using a betainized zwitterionic polymer with BODIPY and graphene oxide. <i>New Journal of Chemistry</i> , 2014 , 38, 2225-2228	3.6	11
54	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
53	pH and redox responsive polymer for antifouling surface coating. <i>Applied Surface Science</i> , 2014 , 313, 532-536	6.7	25
52	Formulation of Silver Nanowire/Polyaniline Hybrid Transparent Electrodes by Using Catechol-enriched Polyaniline. <i>Chemistry Letters</i> , 2014 , 43, 1453-1455	1.7	5
51	Photoresponsive Modulation of Mass Transfer through Spiropyran-grafted Anodized Aluminum Oxide Membrane. <i>Chemistry Letters</i> , 2014 , 43, 1540-1541	1.7	2
50	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
49	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
48	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
47	Boron nitride nanosheets decorated with silver nanoparticles through mussel-inspired chemistry of dopamine. <i>Nanotechnology</i> , 2014 , 25, 445603	3.4	35
46	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
45	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
44	In vivo biodistribution and toxicology of carboxylated graphene quantum dots. <i>ACS Nano</i> , 2013 , 7, 6858-6877	67.7	399

43	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
42	Photoresponsive fluorescent reduced graphene oxide by spiropyran conjugated hyaluronic acid for in vivo imaging and target delivery. <i>Biomacromolecules</i> , 2013 , 14, 4082-90	6.9	64
41	Target delivery and cell imaging using hyaluronic acid-functionalized graphene quantum dots. <i>Molecular Pharmaceutics</i> , 2013 , 10, 3736-44	5.6	178
40	Zwitterionic fluorescent nanoparticles prepared using BODIPY conjugated polysulfobetaines for cancer cell imaging. <i>New Journal of Chemistry</i> , 2013 , 37, 3845	3.6	12
39	Dual-responsive crosslinked pluronic micelles as a carrier to deliver anticancer drug taxol. <i>Macromolecular Research</i> , 2013 , 21, 92-99	1.9	19
38	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
37	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
36	Successful stabilization of functionalized hybrid graphene for high-performance antimicrobial activity. <i>Acta Biomaterialia</i> , 2013 , 9, 7996-8003	10.8	44
35	pH and thermo-responsive poly(N-isopropylacrylamide) copolymer grafted to poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2013 , 130, 168-174	2.9	17
34	P.2: New Approach of Flexible E-Paper with Single Particles. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 993-994	0.5	
33	P.146L: Late-News Poster: Practical Approach of New Photoalignment Material for High Quality-Competitive Retardation Film. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 1362-1364	0.5	4
32	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
31	Photocatalytic Effect of TiO ₂ Nanoparticles on Room-temperature Sinterable Silver Nanoparticle Ink with Poly(N-vinylpyrrolidone) Ligand. <i>Chemistry Letters</i> , 2013 , 42, 649-650	1.7	3
30	Mussel-inspired Engineering of an Anodized Aluminum Oxide Membrane. <i>Chemistry Letters</i> , 2013 , 42, 902-903	1.7	6
29	Solubilization of Chemically Reduced Graphene Oxide Using Coffee Catechol. <i>Chemistry Letters</i> , 2013 , 42, 189-190	1.7	8
28	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
27	Fluorescent Micropatterning of Betainized Zwitterionic Polymer Bearing Mussel-inspired Catechol Moiety and Borondipytromethane Fluorophores. <i>Chemistry Letters</i> , 2013 , 42, 1511-1513	1.7	2
26	Chemically Reduced Graphene Oxide with Crosslinked Shell Showing Enhanced Environmental Stability Using Thiol-grafted Pluronic. <i>Chemistry Letters</i> , 2013 , 42, 200-201	1.7	4

25	Room-temperature Sinterable Silver Nanoparticle Ink with Low-molecular-weight Poly(N-vinylpyrrolidone) Ligand. <i>Chemistry Letters</i> , 2013 , 42, 232-234	1.7	6
24	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
23	Temperature-dependent Optical Transmittance of Chemically Reduced Graphene Oxide/Hydroxypropyl Cellulose Assembly. <i>Chemistry Letters</i> , 2012 , 41, 197-199	1.7	11
22	Herceptin conjugated PCL-PEG-PCL triblock copolymer for cancer targeting and imaging. <i>Macromolecular Research</i> , 2012 , 20, 875-882	1.9	5
21	Bio-inspired catechol chemistry: a new way to develop a re-moldable and injectable coacervate hydrogel. <i>Chemical Communications</i> , 2012 , 48, 11895-7	5.8	38
20	Spiropyran-conjugated pluronic as a dual responsive colorimetric detector. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1958-63	4.8	26
19	One-Step Multipurpose Surface Functionalization by Adhesive Catecholamine. <i>Advanced Functional Materials</i> , 2012 , 22, 2949-2955	15.6	381
18	Preparation of cross-linked biodegradable copolymers based polycarbanion of 3-arm PL(D)LA with brominated pluronic and stereocomplex mediated gelation behavior 2012 ,		1
17	Attenuation of the in vivo toxicity of biomaterials by polydopamine surface modification. <i>Nanomedicine</i> , 2011 , 6, 793-801	5.6	222
16	Development of disulfide core-crosslinked pluronic nanoparticles as an effective anticancer-drug-delivery system. <i>Macromolecular Bioscience</i> , 2011 , 11, 1264-71	5.5	61
15	Synthesis and Characterization of a Multi-Sensitive Crosslinked Injectable Hydrogel Based on Pluronic. <i>Macromolecular Bioscience</i> , 2011 , 11, 1594-1602	5.5	30
14	Thermo-Responsive Assembly of Chemically Reduced Graphene and Poly(N-isopropylacrylamide). <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 336-341	2.6	37
13	Simultaneous Reduction and Surface Functionalization of Graphene Oxide by Mussel-Inspired Chemistry. <i>Advanced Functional Materials</i> , 2011 , 21, 108-112	15.6	368
12	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
11	Catechol-grafted poly(ethylene glycol) for PEGylation on versatile substrates. <i>Langmuir</i> , 2010 , 26, 3790-3		132
10	Optimization of enantioselective synthesis of methyl (R)-2-chloromandelate by whole cells of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2010 , 32, 1529-31	3	8
9	Chlorinating cleavage of silicon-biphenyl bonds of polycarbosilane, and introduction of poly(ethylene glycol) graft copolymer micelles. <i>Journal of Industrial and Engineering Chemistry</i> , 2010 , 16, 560-563	6.3	3
8	Thermally triggered intracellular explosion of volume transition nanogels for necrotic cell death. <i>Journal of Controlled Release</i> , 2009 , 135, 89-95	11.7	60

7	Synthesis, characterization, antitumor activity of pluronic mimicking copolymer micelles conjugated with doxorubicin via acid-cleavable linkage. <i>Bioconjugate Chemistry</i> , 2008 , 19, 525-31	6.3	104
6	Novel stereocomplexed sol-gel transition hydrogels prepared from physical packing of self-assembled PEO-PPO-PEO and PPO-PEO-PPO copolymer nanoscale micelles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5236-41	1.3	4
5	Injectable and sustained delivery of human growth hormone using chemically modified Pluronic copolymer hydrogels. <i>Biotechnology Journal</i> , 2008 , 3, 669-75	5.6	22
4	New Sol-Gel Transition Hydrogels Based on Pluronic-Mimicking Copolymers Grafted with Oligo(lactic acids). <i>Macromolecular Symposia</i> , 2007 , 249-250, 130-136	0.8	8
3	Temperature/pH-Sensitive Hydrogels Prepared from Pluronic Copolymers End-Capped with Carboxylic Acid Groups via an Oligolactide Spacer. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 1172-1176	4.8	69
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