

Cai-Feng Wang

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.

169
papers

6,321
citations

43
h-index

74
g-index

176
ext. papers

7,125
ext. citations

6.8
avg, IF

6.15
L-index

#	Paper	IF	Citations
169	Rapid Preparation of Dual Cross-Linked Mechanical Strengthening Hydrogels via Frontal Polymerization for use as Shape Deformable Actuators. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 1457-1465	4.3	2
168	Advances in frontal polymerization strategy: From fundamentals to applications. <i>Progress in Polymer Science</i> , 2022 , 127, 101514	29.6	10
167	Facile synthesis, high fluorescence and flame retardancy of carbon dots. <i>Journal of Materials Science and Technology</i> , 2022 , 104, 163-171	9.1	3
166	Microfluidic fluorescent platform for rapid and visual detection of veterinary drugs.. <i>RSC Advances</i> , 2022 , 12, 8485-8491	3.7	0
165	In situ preparation of graphene oxide/Te nanocomposites with interesting optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	
164	The Rapid and Large-Scale Production of Carbon Quantum Dots and their Integration with Polymers. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8585-8595	16.4	33
163	The Rapid and Large-Scale Production of Carbon Quantum Dots and their Integration with Polymers. <i>Angewandte Chemie</i> , 2021 , 133, 8668-8678	3.6	4
162	Microfluidic synthesis of robust carbon dots-functionalized photonic crystals. <i>Chemical Engineering Journal</i> , 2021 , 405, 126539	14.7	6
161	Rapid visualized hydrophobic-force-driving self-assembly towards brilliant photonic crystals. <i>Chemical Engineering Journal</i> , 2021 , 420, 127582	14.7	4
160	Carbon dots embedded nanofiber films: Large-scale fabrication and enhanced mechanical properties. <i>Chinese Chemical Letters</i> , 2021 , 33, 304-304	8.1	2
159	Rapid Fabrication of Patterned Gels via Microchannel-Conformal Frontal Polymerization. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100421	4.8	2
158	Red dual-emissive carbon dots for ratiometric sensing of veterinary drugs. <i>Journal of Luminescence</i> , 2021 , 236, 118092	3.8	6
157	Mild bottom-up synthesis of carbon dots with temperature-dependent fluorescence. <i>Journal of Luminescence</i> , 2021 , 238, 118311	3.8	1
156	Large-Scale Fabrication of Robust Artificial Skins from a Biodegradable Sealant-Loaded Nanofiber Scaffold to Skin Tissue via Microfluidic Blow-Spinning. <i>Advanced Materials</i> , 2020 , 32, e2000982	24	33
155	Facile synthesis of red dual-emissive carbon dots for ratiometric fluorescence sensing and cellular imaging. <i>Nanoscale</i> , 2020 , 12, 5494-5500	7.7	20
154	Magnetothermal microfluidic-directed synthesis of quantum dots. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6358-6363	7.1	4
153	One-Step Facile Synthesis of Fluorescent Carbon Dots via Magnetic Hyperthermia Method. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4968-4976	3.9	9

152	Green Synthesis of Carbon Dots toward Anti-Counterfeiting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1566-1572	8.3	48
151	Construction of triple non-covalent interaction-based ultra-strong self-healing polymeric gels via frontal polymerization. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14083-14091	7.1	9
150	Large-scale colloidal films with robust structural colors. <i>Materials Horizons</i> , 2019 , 6, 90-96	14.4	77
149	Rapid preparation of auto-healing gels with actuating behaviour. <i>Soft Matter</i> , 2019 , 15, 2517-2525	3.6	8
148	Fabrication of colorful colloidal photonic crystal fibers via a microfluidic spinning technique. <i>Materials Letters</i> , 2019 , 242, 179-182	3.3	15
147	Fabrication of amphiphilic quantum dots towards high-colour-quality light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4244-4249	7.1	14
146	Frontal Polymerization-Oriented Self-Healing Hydrogels and Applications toward Temperature-Triggered Actuators. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 3885-3892	3.9	9
145	Host-guest supramolecular assembly directing beta-cyclodextrin based nanocrystals towards their robust performances. <i>Journal of Hazardous Materials</i> , 2019 , 361, 329-337	12.8	14
144	Hydrophobic Poly(tert-butyl acrylate) Photonic Crystals towards Robust Energy-Saving Performance. <i>Angewandte Chemie</i> , 2019 , 131, 13690-13698	3.6	12
143	Preparation of heterostructure quantum dots towards wide-colour-gamut display. <i>Materials Letters</i> , 2019 , 254, 171-174	3.3	4
142	Hydrophobic Poly(tert-butyl acrylate) Photonic Crystals towards Robust Energy-Saving Performance. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13556-13564	16.4	54
141	Fiber-Spinning-Chemistry Method toward In Situ Generation of Highly Stable Halide Perovskite Nanocrystals. <i>Advanced Science</i> , 2019 , 6, 1901694	13.6	25
140	Reduced Graphene Oxide Membrane Induced Robust Structural Colors toward Personal Thermal Management. <i>ACS Photonics</i> , 2019 , 6, 116-122	6.3	37
139	Constructing honeycomb architectures from polymer carbon dot composites for luminous efficacy enhancement of LEDs. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	1
138	Frontal polymerization for smart intrinsic self-healing hydrogels and its integration with microfluidics. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 1412-1423	2.5	13
137	Microfluidic-Spinning-Directed Conductive Fibers toward Flexible Micro-Supercapacitors. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700664	3.9	20
136	Enriched carbon dots/graphene microfibers towards high-performance micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14112-14119	13	59
135	Microfluidic printing directing photonic crystal bead 2D code patterns. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2336-2341	7.1	18

134	New Multichannel Frontal Polymerization Strategy for Scaled-up Production of Robust Hydrogels. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 3083-3090	3.9	4
133	Generation of a carbon dots/ammonium persulfate redox initiator couple for free radical frontal polymerization. <i>Polymer Chemistry</i> , 2018 , 9, 420-427	4.9	13
132	Dendrimer-induced colloids towards robust fluorescent photonic crystal films and high performance WLEDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8187-8193	7.1	22
131	Facile Access to Wearable Device via Microfluidic Spinning of Robust and Aligned Fluorescent Microfibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30785-30793	9.5	23
130	Infrared laser-ignited horizontal frontal polymerization of versatile unsaturated polyester resins. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45935	2.9	1
129	Macroscopic Self-Assembly: Versatile Hydrogel Ensembles with Macroscopic Multidimensions (Adv. Mater. 52/2018). <i>Advanced Materials</i> , 2018 , 30, 1870400	24	2
128	Microfluidic-Directed Hydrogel Fabrics Based on Interfibrillar Self-Healing Effects. <i>Chemistry of Materials</i> , 2018 , 30, 8822-8828	9.6	22
127	Versatile Hydrogel Ensembles with Macroscopic Multidimensions. <i>Advanced Materials</i> , 2018 , 30, e1803475	14	31
126	Recognition of Latent Fingerprints and Ink-Free Printing Derived from Interfacial Segregation of Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39205-39213	9.5	31
125	Highly Enhanced Luminescence Performance of LEDs via Controllable Layer-Structured 3D Photonic Crystals and Photonic Crystal Beads. <i>Small Methods</i> , 2018 , 2, 1800104	12.8	23
124	Ultrafast mechano-responsive photonic hydrogel towards multicolor displays via the pressure sensation. <i>Materials Letters</i> , 2017 , 189, 321-324	3.3	14
123	Construction of Hydrogen-Bond-Assisted Crack-Free Photonic Crystal Films and Their Performance on Fluorescence Enhancement Effect. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700013	3.9	22
122	Facile synthesis of self-healing gel via magnetocaloric bottom-ignited frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2585-2593	2.5	13
121	Dually crosslinked self-healing hydrogels originating from cell-enhanced effect. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 3816-3822	7.3	8
120	Quantum Dot Color-Converting Solids Operating Efficiently in the kW/cm ² Regime. <i>Chemistry of Materials</i> , 2017 , 29, 5104-5112	9.6	15
119	High-Performance Wearable Micro-Supercapacitors Based on Microfluidic-Directed Nitrogen-Doped Graphene Fiber Electrodes. <i>Advanced Functional Materials</i> , 2017 , 27, 1702493	15.6	114
118	Highly Crystallized Brilliant Polymeric Photonic Crystals via Repulsion-Induced Precipitation Assembly toward Multiresponsive Colorimetric Films. <i>Macromolecular Materials and Engineering</i> , 2016 , 301, 1363-1373	3.9	7
117	Electrostatic fabrication of RGO-g-SSS/CdTe graphene/quantum dot nanocomposites with enhanced optoelectronic properties. <i>RSC Advances</i> , 2016 , 6, 65443-65449	3.7	5

116	Facile Access to Graphene Oxide from Ferro-Induced Oxidation. <i>Scientific Reports</i> , 2016 , 6, 17071	4.9	25
115	CuInS/ZnS Quantum Dots Embedded in Polyvinylpyrrolidone (PVP) Solids for White Light-Emitting Diodes (LEDs). <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 11700-11705	3.9	17
114	Nitrogen-doped carbon dots derived from polyamindoamine dendrimer. <i>RSC Advances</i> , 2016 , 6, 59702-59707	3.7	14
113	Ultrasensitive responsive photonic crystal films derived from the assembly between similarly charged colloids and substrates towards trace electrolyte sensing. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6750-6755	7.1	10
112	Zinc ion-doped carbon dots with strong yellow photoluminescence. <i>RSC Advances</i> , 2016 , 6, 37189-37194	3.7	77
111	Magnetic-Directed Assembly from Janus Building Blocks to Multiplex Molecular-Analogue Photonic Crystal Structures. <i>Journal of the American Chemical Society</i> , 2016 , 138, 566-73	16.4	74
110	Multifunctional Hydrogels with Temperature, Ion, and Magnetocaloric Stimuli-Responsive Performances. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 759-68	4.8	29
109	Herbages-derived fluorescent carbon dots and CdTe/carbon ensembles for patterning. <i>Journal of Materials Science</i> , 2016 , 51, 8108-8115	4.3	9
108	Synthesis of versatile poly(PMMA-b-VI) macromonomer-based hydrogels via infrared laser ignited frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1210-1221	2.5	3
107	Autonomous conveyer gel driven by frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1323-1331	2.5	3
106	Laser-ignited frontal polymerization of shape-controllable poly(VI-co-AM) hydrogels based on 3D templates toward adsorption of heavy metal ions. <i>Applied Physics A: Materials Science and Processing</i> , 2016 , 122, 1	2.6	2
105	Fast access to core/shell/shell CdTe/CdSe/ZnO quantum dots via magnetic hyperthermia method. <i>AIChE Journal</i> , 2016 , 62, 2614-2621	3.6	7
104	Design of Phosphor White Light Systems for High-Power Applications. <i>ACS Photonics</i> , 2016 , 3, 2243-2248	6.3	33
103	Facile construction of dual bandgap optical encoding materials with PS@P(HEMA-co-AA)/SiO ₂ -TMPTA colloidal photonic crystals. <i>Optical Materials</i> , 2016 , 57, 107-113	3.3	8
102	Construction of Ag-doped ZnInS quantum dots toward white LEDs and 3D luminescent patterning. <i>RSC Advances</i> , 2016 , 6, 47616-47622	3.7	23
101	Large-Scale Ultrasonic Fabrication of White Fluorescent Carbon Dots. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 5335-5341	3.9	85
100	Facile access to versatile hydrogels via interface-directed frontal polymerization derived from the magnetocaloric effect. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17351-17358	13	31
99	Facile fabrication of structure-tunable bead-shaped hybrid microfibers using a Rayleigh instability guiding strategy. <i>Chemical Communications</i> , 2015 , 51, 17525-8	5.8	26

98	Anisotropic Biphase Frontal Polymerization toward in Situ Generation of Dual-Component Polymers. <i>Macromolecules</i> , 2015 , 48, 5543-5549	5.5	16
97	Facile access to poly(DMAEMA-co-AA) hydrogels via infrared laser-ignited frontal polymerization and their polymerization in the horizontal direction. <i>RSC Advances</i> , 2015 , 5, 30514-30521	3.7	17
96	In situ access to fluorescent dual-component polymers towards optoelectronic devices via inhomogeneous biphase frontal polymerization. <i>RSC Advances</i> , 2015 , 5, 102294-102299	3.7	9
95	Interfacial synthesis of SnSe quantum dots for sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 2155-2158	3.7	24
94	Microfluidic Spinning: Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers (Adv. Funct. Mater. 47/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 7396-7396	15.6	2
93	Facile synthesis of poly(DMC-co-HPA) hydrogels via infrared laser ignited frontal polymerization and their adsorption-desorption switching performance. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 2085-2093	2.5	14
92	Microfluidic-Spinning-Directed Microreactors Toward Generation of Multiple Nanocrystals Loaded Anisotropic Fluorescent Microfibers. <i>Advanced Functional Materials</i> , 2015 , 25, 7253-7262	15.6	43
91	Dual photonic-bandgap optical films towards the generation of photonic crystal-derived 2-dimensional chemical codes. <i>Chemical Communications</i> , 2015 , 51, 10528-31	5.8	30
90	Fabrication of highly fluorescent CdSe quantum dots via solvent-free microfluidic spinning microreactors. <i>RSC Advances</i> , 2015 , 5, 107804-107810	3.7	13
89	New insights into the phosphine-free synthesis of ultras-small Cu ₂ Se nanocrystals at the liquid-liquid interface. <i>RSC Advances</i> , 2015 , 5, 90705-90711	3.7	2
88	Interface-spawned NiSe quantum dots: preparation, photoluminescence properties and applications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 473-478	7.1	10
87	Fast fabrication of superabsorbent polyampholytic nanocomposite hydrogels via plasma-ignited frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2014 , 52, 912-920	2.5	22
86	Robust Self-Healing Host-Guest Gels from Magnetocaloric Radical Polymerization. <i>Advanced Functional Materials</i> , 2014 , 24, 1235-1242	15.6	106
85	Robust Mechanochromic Elastic One-Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays. <i>Advanced Optical Materials</i> , 2014 , 2, 652-662	8.1	72
84	Versatile dendrimer-derived nanocrystal microreactors towards fluorescence colloidal photonic crystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3610-3616	7.1	21
83	Construction of Highly Luminescent CdTe/BiO ₂ Quantum Dots as Conversion Materials toward Excellent Color-Rendering White-Light-Emitting Diodes. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 16763-16770	3.9	33
82	Facile Access to White Fluorescent Carbon Dots toward Light-Emitting Devices. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6417-6425	3.9	138
81	Hair-derived carbon dots toward versatile multidimensional fluorescent materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6477-6483	7.1	116

80	Self-Replication Fabrication of Ligand-Free CdSe Quantum Dots on a Nanofiber Microreactor via a Solid-Liquid Interfacial Method. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 8753-8758	3.9	2
79	Synthesis of silica-based carbon dot/nanocrystal hybrids toward white LEDs. <i>Journal of Materials Science</i> , 2014 , 49, 7391-7398	4.3	57
78	Facile synthesis of 4-vinylpyridine-based hydrogels via laser-ignited frontal polymerization and their performance on ion removal. <i>Colloid and Polymer Science</i> , 2014 , 292, 2529-2537	2.4	15
77	Versatile superhydrophobic and photocatalytic films generated from TiO ₂ @SiO ₂ @PDMS and their applications on fabrics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4178-4184	13	147
76	Fluorescent nanomaterial-derived white light-emitting diodes: what's going on. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4358-4373	7.1	89
75	Fabrication of Reversible Phase Transition Polymer Gels toward Metal Ion Sensing. <i>Macromolecules</i> , 2014 , 47, 1875-1881	5.5	26
74	Supramolecular Gels: Robust Self-Healing Host-Guest Gels from Magnetocaloric Radical Polymerization (Adv. Funct. Mater. 9/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 1234-1234	15.6	8
73	Synthesis of fluorescent carbon dots from one-step pyrolysis of frontal-polymerized poly(acrylamide-co-4-vinylpyridine). <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 1583-1588	2.6	4
72	Versatile hydrogel-based nanocrystal microreactors towards uniform fluorescent photonic crystal supraballs. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	1
71	Hydrogels: Robust Mechanochromic Elastic One-Dimensional Photonic Hydrogels for Touch Sensing and Flexible Displays (Advanced Optical Materials 7/2014). <i>Advanced Optical Materials</i> , 2014 , 2, 651-651	8.1	1
70	Tunable Janus colloidal photonic crystal supraballs with dual photonic band gaps. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9431-9438	7.1	50
69	Microarrays Formed by Microfluidic Spinning as Multidimensional Microreactors. <i>Angewandte Chemie</i> , 2014 , 126, 4069-4073	3.6	8
68	Microarrays formed by microfluidic spinning as multidimensional microreactors. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 3988-92	16.4	32
67	Plant leaf-derived fluorescent carbon dots for sensing, patterning and coding. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4925	7.1	231
66	High performance of interpenetrating polymer network hydrogels induced by frontal polymerization. <i>Colloid and Polymer Science</i> , 2013 , 291, 1871-1879	2.4	19
65	Facile plasma-induced fabrication of fluorescent carbon dots toward high-performance white LEDs. <i>Journal of Materials Science</i> , 2013 , 48, 6307-6311	4.3	79
64	Quantum-dot-embedded polymeric fiber films with photoluminescence and superhydrophobicity. <i>Materials Letters</i> , 2013 , 99, 54-56	3.3	11
63	Microfluidic-directed assembly of uniform fluorescent supraballs from CdTe nanocrystals-loaded acrylosilane microemulsion. <i>Colloid and Polymer Science</i> , 2013 , 291, 2147-2154	2.4	1

62	Facile fabrication of fluorescent-superhydrophobic bifunctional ligand-free quantum dots. <i>Colloid and Polymer Science</i> , 2013 , 291, 717-723	2.4	5
61	Electrospun fluorescein-embedded nanofibers towards fingerprint recognition and luminescent patterns. <i>RSC Advances</i> , 2013 , 3, 19403	3.7	5
60	Facile access to versatile N-vinylimidazole-based artificial tongue-like polymer gels. <i>Soft Matter</i> , 2013 , 9, 3809	3.6	5
59	Facile fabrication of tunable colloidal photonic crystal hydrogel supraballs toward a colorimetric humidity sensor. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4685	7.1	73
58	Facile access to poly(NMA-co-VCL) hydrogels via long range laser ignited frontal polymerization. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7326	13	44
57	Robust self-healing hydrogels assisted by cross-linked nanofiber networks. <i>Scientific Reports</i> , 2013 , 3, 2811	4.9	35
56	One-step synthesis of yellow-emitting carbogenic dots toward white light-emitting diodes. <i>Journal of Materials Science</i> , 2013 , 48, 2352-2357	4.3	84
55	Encodable multiple-fluorescence CdTe@carbon nanoparticles from nanocrystal/colloidal crystal guest-host ensembles. <i>Nanotechnology</i> , 2013 , 24, 135602	3.4	8
54	Fabrication of superhydrophobic surface from binary micro-/nano-structure of mullite-whisk-based films. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 113, 591-596	2.6	2
53	Interfacial Self-assembly of Ni ₃ Cd ₁ S/ODA Hybrids with Photoluminescent and Superhydrophobic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 11590-11596	3.9	12
52	Triphase microfluidic-directed self-assembly: anisotropic colloidal photonic crystal supraparticles and multicolor patterns made easy. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2375-8	16.4	133
51	Electrochromic performances and photoluminescence characteristics of versatile N-vinylimidazole-based hybrid hydrogels. <i>Colloid and Polymer Science</i> , 2012 , 290, 371-377	2.4	2
50	Facile access to versatile fluorescent carbon dots toward light-emitting diodes. <i>Chemical Communications</i> , 2012 , 48, 2692-4	5.8	413
49	Macromonomer-induced CdTe quantum dots toward multicolor fluorescent patterns and white LEDs. <i>RSC Advances</i> , 2012 , 2, 9005	3.7	17
48	Multifunctional ionomer-derived honeycomb-patterned architectures and their performance in light enhancement of light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4089		31
47	Amphiphilic Egg-Derived Carbon Dots: Rapid Plasma Fabrication, Pyrolysis Process, and Multicolor Printing Patterns. <i>Angewandte Chemie</i> , 2012 , 124, 9431-9435	3.6	127
46	Amphiphilic egg-derived carbon dots: rapid plasma fabrication, pyrolysis process, and multicolor printing patterns. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9297-301	16.4	519
45	In situ access to white light-emitting fluorescent polymer nanocomposites via plasma-ignited frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 3736-3742	2.5	28

44	Triphase Microfluidic-Directed Self-Assembly: Anisotropic Colloidal Photonic Crystal Supraparticles and Multicolor Patterns Made Easy. <i>Angewandte Chemie</i> , 2012 , 124, 2425-2428	3.6	27
43	Fast synthesis of versatile nanocrystal-embedded hydrogels toward the sensing of heavy metal ions and organoamines. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1124-1129		54
42	Interface-directed assembly of one-dimensional ordered architecture from quantum dots guest and polymer host. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8412-5	16.4	100
41	Facile fabrication of CdTe/montmorillonite nanocomposite films with stable photoluminescence properties. <i>Materials Letters</i> , 2011 , 65, 1669-1671	3.3	4
40	Phase Transfer Mediated Self-Assembly of CdTe/Polymer Nanohybrids for Uniform Fluorescent Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2011 , 21, 570-575	3.2	2
39	Chemical synthesis and optical properties of CdS/poly(lactic acid) nanocomposites and their transparent fluorescent films. <i>Colloid and Polymer Science</i> , 2011 , 289, 395-400	2.4	8
38	A facile pathway for the fast synthesis of colloidal crystal-loaded hydrogels via frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3121-3128	2.5	16
37	Rapid synthesis of poly(HPA-co-VeoVa 10) amphiphilic gels toward removal of toxic solvents via plasma-ignited frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 5217-5226	2.5	18
36	Versatile bifunctional magnetic-fluorescent responsive Janus supraballs towards the flexible bead display. <i>Advanced Materials</i> , 2011 , 23, 2915-9	24	293
35	A Release-Induced Response for the Rapid Recognition of Latent Fingerprints and Formation of Inkjet-Printed Patterns. <i>Angewandte Chemie</i> , 2011 , 123, 3790-3793	3.6	13
34	A release-induced response for the rapid recognition of latent fingerprints and formation of inkjet-printed patterns. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 3706-9	16.4	48
33	Fabrication of quantum dot-based photonic materials from small to large via interfacial self-assembly. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8496		12
32	Available Plasma-Ignited Frontal Polymerization Approach toward Facile Fabrication of Functional Polymer Hydrogels. <i>Chemistry of Materials</i> , 2010 , 22, 5653-5659	9.6	29
31	Controllable fabrication of nanocrystal-loaded photonic crystals with a polymerizable macromonomer via the CCTP technique. <i>Langmuir</i> , 2010 , 26, 10657-62	4	22
30	Controllable synthesis of new polymerizable macrosurfactants via CCTP and RAFT techniques and investigation of their performance in emulsion polymerization. <i>Langmuir</i> , 2010 , 26, 1724-33	4	27
29	Superhydrophobic thermoplastic polyurethane films with transparent/fluorescent performance. <i>Langmuir</i> , 2010 , 26, 18454-8	4	38
28	Quantum-dot-embedded ionomer-derived films with ordered honeycomb structures via breath figures. <i>Chemical Communications</i> , 2010 , 46, 7376-8	5.8	45
27	Multiple-structured nanocrystals towards bifunctional photoluminescent-superhydrophobic surfaces. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3863		36

26	Facile dicyandiamide-mediated fabrication of well-defined CuO hollow microspheres and their catalytic application. <i>Materials Chemistry and Physics</i> , 2010 , 120, 296-301	4.4	58
25	pH-controlled interfacial assembly and disassembly of highly luminescent blue emitting Zn(x)Cd(1-x)S/dodecylamine complexes. <i>Journal of Colloid and Interface Science</i> , 2010 , 349, 626-31	9.3	9
24	Facile synthesis of amphiphilic gels by frontal free-radical polymerization. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 823-831	2.5	37
23	Facile synthesis of fluorescent quantum dot-polymer nanocomposites via frontal polymerization. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2170-2177	2.5	43
22	Facile synthesis of N-vinylimidazole-based hydrogels via frontal polymerization and investigation of their performance on adsorption of copper ions. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 4005-4012	2.5	38
21	Controllable fabrication of nanocrystal-polymer hybrids via the catalytic chain transfer polymerization process. <i>Colloid and Polymer Science</i> , 2009 , 287, 829-837	2.4	8
20	In situ synthesis of transparent fluorescent ZnS/polymer nanocomposite hybrids through catalytic chain transfer polymerization technique. <i>Journal of Materials Science</i> , 2009 , 44, 3413-3419	4.3	20
19	Synthesis, structure and physical properties of the one-dimensional chain complex of tetrathiafulvalene carboxylate. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 1596-1601		13
18	Syntheses, structures, and magnetic properties of heterobimetallic Fe ²⁺ /M ^{II} (M = Cu, Mn) chains based on tetracyanometallic building block. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1485-1490	2.7	9
17	Syntheses, structures and magnetic properties of heterobimetallic complexes based on a new tetracyanometalate precursor. <i>Inorganica Chimica Acta</i> , 2009 , 362, 5195-5202	2.7	11
16	Assembling chirality into magnetic nanowires: cyano-bridged iron(III)-nickel(II) chains exhibiting slow magnetization relaxation and ferroelectricity. <i>Chemical Communications</i> , 2009 , 6940-2	5.8	61
15	Heterometallic complexes based on the mixed bridging ligands of tricyanometalate and terephthalate: syntheses, structures, and magnetic properties. <i>Inorganic Chemistry</i> , 2009 , 48, 9166-73	5.1	18
14	New 3d ⁸ /f Heterometallic Coordination Polymers Based on Pyrazole-Bridged Cu ^I /Ln ^{III} Dinuclear Units and Sulfate Anions: Syntheses, Structures, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2009 , 9, 1028-1035	3.5	88
13	Synthesis, structures and magnetic properties of nickel bis (dithiolene) complexes with [Fe(qsal) ₂] ⁺ . <i>Journal of Coordination Chemistry</i> , 2009 , 62, 1544-1552	1.6	12
12	Ferroelectric heterobimetallic clusters with ferromagnetic interactions. <i>Inorganic Chemistry</i> , 2008 , 47, 7957-9	5.1	50
11	Novel heterometallic Fe-Ru ₂ -Fe arrays via "complex of complexes" approach. <i>Inorganic Chemistry</i> , 2008 , 47, 9716-22	5.1	15
10	Syntheses, Structures, and Electrochemical and Magnetic Properties of Rectangular Heterobimetallic Clusters Based on Tricyanometallic Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 717-727	2.3	43
9	Syntheses, structures, and magnetic properties of heterobimetallic complexes based on tetracyanometallic building blocks. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2901-2908	2.7	12

8	Symmetry-based magnetic anisotropy in the trigonal bipyramidal cluster [Tp ₂ (Me ₃ tacn) ₃ Cu ₃ Fe ₂ (CN) ₆] ⁴⁺ . <i>Journal of the American Chemical Society</i> , 2006 , 128, 7162-3	16.4	145
7	Synthesis, crystal structures, and magnetic properties of cyano-bridged heterobimetallic chains based on [(Tp)Fe(CN) ₃] ⁻ . <i>Inorganic Chemistry</i> , 2006 , 45, 8942-9	5.1	87
6	Syntheses, structures, and magnetic properties of cyano-bridged heterobimetallic complexes based on [Fe(bpca)(CN) ₃] ⁻ . <i>Inorganic Chemistry</i> , 2006 , 45, 582-90	5.1	50
5	Structural and magnetic studies on cyano-bridged rectangular Fe ₂ M ₂ (M = Cu, Ni) clusters. <i>Inorganic Chemistry</i> , 2006 , 45, 10058-65	5.1	81
4	Chiral molecule-based ferrimagnets with helical structures. <i>Inorganic Chemistry</i> , 2006 , 45, 7032-4	5.1	88
3	One-dimensional azido-bridged chiral metal complexes with ferromagnetic or antiferromagnetic interactions: syntheses, structures, and magnetic studies. <i>Inorganic Chemistry</i> , 2005 , 44, 9039-45	5.1	79
2	Yellow-Emissive Carbon Dots with High Solid-State Photoluminescence. <i>Advanced Functional Materials</i> , 2110393	15.6	8
1	Micro-Gel Ensembles for Accelerated Healing of Chronic Wound via pH Regulation. <i>Advanced Science</i> , 2201254	13.6	1