

Jaeyoon Kim

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.

146 papers	14,605 citations	49 h-index	120 g-index
155 ext. papers	15,868 ext. citations	10.5 avg, IF	6.65 L-index

#	Paper	IF	Citations
146	Nanozyme-Based Enhanced Cancer Immunotherapy.. <i>Tissue Engineering and Regenerative Medicine</i> , 2022 , 1	4.5	4
145	Bioinspired Structural Composite Hydrogels with a Combination of High Strength, Stiffness, and Toughness. <i>Advanced Functional Materials</i> , 2021 , 31, 2101095	15.6	2
144	Recent Strategies for Strengthening and Stiffening Tough Hydrogels. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2100026	0	6
143	Dual-crosslinked hydrogels with metal coordination from novel co-polyaspartamide containing 1,2-dihydroxy and imidazole pendant groups. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51278	2.9	1
142	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. <i>Advanced Functional Materials</i> , 2021 , 31, 2008352	15.6	9
141	Alternative Activation of Macrophages through Interleukin-13-Loaded Extra-Large-Pore Mesoporous Silica Nanoparticles Suppresses Experimental Autoimmune Encephalomyelitis. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4446-4453	5.5	2
140	Facile Room-Temperature Synthesis of Cerium Carbonate and Cerium Oxide Nano- and Microparticles Using 1,1'-Carbonyldiimidazole and Imidazole in a Nonaqueous Solvent. <i>ACS Omega</i> , 2021 , 6, 26477-26488	3.9	1
139	Durable tetra-scale superhydrophobic coatings with virus-like nanoparticles for oil/water separations. <i>Applied Surface Science</i> , 2021 , 570, 151088	6.7	3
138	Anisotropic Hydrogels with a Multiscale Hierarchical Structure Exhibiting High Strength and Toughness for Mimicking Tendons.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	7
137	Synthesis of hollow magnetic carbon microbeads using iron oleate@alginate core-shell hydrogels and their application to magnetic separation of organic dye. <i>Korean Journal of Chemical Engineering</i> , 2020 , 37, 875-882	2.8	1
136	Hydrogel-Based Artificial Muscles: Overview and Recent Progress. <i>Advanced Intelligent Systems</i> , 2020 , 2, 1900135	6	47
135	Injectable dual-scale mesoporous silica cancer vaccine enabling efficient delivery of antigen/adjuvant-loaded nanoparticles to dendritic cells recruited in local macroporous scaffold. <i>Biomaterials</i> , 2020 , 239, 119859	15.6	36
134	Therapeutic Contact Lens for Scavenging Excessive Reactive Oxygen Species on the Ocular Surface. <i>ACS Nano</i> , 2020 , 14, 2483-2496	16.7	32
133	Degradation-regulated architecture of injectable smart hydrogels enhances humoral immune response and potentiates antitumor activity in human lung carcinoma. <i>Biomaterials</i> , 2020 , 230, 119599	15.6	42
132	Recent Progress in Autocatalytic Ceria Nanoparticles-Based Translational Research on Brain Diseases. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1043-1062	5.6	14
131	Encapsulation of superparamagnetic iron oxide nanoparticles with polyaspartamide biopolymer for hyperthermia therapy. <i>European Polymer Journal</i> , 2020 , 122, 109396	5.2	5
130	Hydrogel Patch: Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery (Adv. Funct. Mater. 42/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070280	15.6	2

129	Hollow Mesoporous Silica Nanoparticles with Extra-Large Mesopores for Enhanced Cancer Vaccine. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34658-34666	9.5	27
128	Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 2004407	15.6	54
127	Enhanced Cancer DNA Vaccine Direct Transfection to Host Dendritic Cells Recruited in Injectable Scaffolds. <i>ACS Nano</i> , 2020 , 14, 11623-11636	16.7	15
126	A 3D Macroporous Alginate Graphene Scaffold with an Extremely Slow Release of a Loaded Cargo for In Situ Long-Term Activation of Dendritic Cells. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1800571	10.1	14
125	Bioinspired Design and Fabrication of Polymer Composite Films Consisting of a Strong and Stiff Organic Matrix and Microsized Inorganic Platelets. <i>ACS Nano</i> , 2019 , 13, 2773-2785	16.7	11
124	In Situ Magnetic Alignment and Cross-Linking of Injectable Microparticles into Centimeter-Scale Fibers for Efficient Myoblast Alignment and in Vivo Fiber Formation. <i>Chemistry of Materials</i> , 2019 , 31, 5181-5189	9.6	4
123	Effective systemic siRNA delivery using dual-layer protected long-circulating nanohydrogel containing an inorganic core. <i>Biomaterials Science</i> , 2019 , 7, 3297-3306	7.4	1
122	Hierarchically Porous Composite Scaffold Composed of SBA-15 Microrods and Reduced Graphene Oxide Functionalized with Cyclodextrin for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15764-15772	9.5	11
121	Properties of immature and mature dendritic cells: phenotype, morphology, phagocytosis, and migration.. <i>RSC Advances</i> , 2019 , 9, 11230-11238	3.7	25
120	Macroporous Scaffolds: A 3D Macroporous Alginate Graphene Scaffold with an Extremely Slow Release of a Loaded Cargo for In Situ Long-Term Activation of Dendritic Cells (Adv. Healthcare Mater. 5/2019). <i>Advanced Healthcare Materials</i> , 2019 , 8, 1970016	10.1	
119	Ceria Nanoparticles Fabricated with 6-Aminohexanoic Acid that Overcome Systemic Inflammatory Response Syndrome. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801548	10.1	13
118	Anisotropic Hybrid Hydrogels with Superior Mechanical Properties Reminiscent of Tendons or Ligaments. <i>Advanced Functional Materials</i> , 2019 , 29, 1904342	15.6	46
117	Cancer Immunotherapy: Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy (Adv. Mater. 34/2019). <i>Advanced Materials</i> , 2019 , 31, 1970243	24	1
116	Mesoporous Silica Nanoparticles Doped with Gold Nanoparticles for Combined Cancer Immunotherapy and Photothermal Therapy.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3630-3638	4.1	22
115	Anisotropic Hybrid Hydrogels: Anisotropic Hybrid Hydrogels with Superior Mechanical Properties Reminiscent of Tendons or Ligaments (Adv. Funct. Mater. 38/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970260	15.6	
114	Cover Image, Volume 11, Issue 1. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019 , 11, e1549	9.2	
113	Simultaneous delivery of DNA vaccine and hydrophobic adjuvant using reducible polyethylenimine-functionalized graphene oxide for activation of dendritic cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 80, 870-876	6.3	6
112	Synthesis of high-quality carbon nanotubes by using monodisperse spherical mesoporous silica encapsulating iron oxide nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2019 , 36, 157-165	2.8	15

111	Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy. <i>Advanced Materials</i> , 2019 , 31, e1803953	72
110	Extreme properties of double networked ionogel electrolytes for flexible and durable energy storage devices. <i>Energy Storage Materials</i> , 2019 , 19, 197-205	19.4 30
109	Modularly engineered injectable hybrid hydrogels based on protein-polymer network as potent immunologic adjuvant in vivo. <i>Biomaterials</i> , 2019 , 195, 100-110	15.6 33
108	Functional mesoporous silica nanoparticles for bio-imaging applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019 , 11, e1515	9.2 43
107	Hydrophobicity-enhanced adhesion of novel biomimetic biocompatible polyaspartamide derivative glues. <i>Polymer International</i> , 2018 , 67, 557-565	3.3 7
106	A facile approach to enhance antigen response for personalized cancer vaccination. <i>Nature Materials</i> , 2018 , 17, 528-534	27 215
105	Three-Dimensional Macroporous Alginate Scaffolds Embedded with Akaganeite Nanorods for the Filter-Based High-Speed Preparation of Arsenic-Free Drinking Water. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1940-1948	5.6 13
104	Sequential Targeted Delivery of Liposomes to Ischemic Tissues by Controlling Blood Vessel Permeability. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 532-538	5.5 6
103	Extra-Large Pore Mesoporous Silica Nanoparticles Enabling Co-Delivery of High Amounts of Protein Antigen and Toll-like Receptor 9 Agonist for Enhanced Cancer Vaccine Efficacy. <i>ACS Central Science</i> , 2018 , 4, 484-492	16.8 98
102	Self-assembled PEGylated albumin nanoparticles (SPAN) as a platform for cancer chemotherapy and imaging. <i>Drug Delivery</i> , 2018 , 25, 1570-1578	7 24
101	Direct Chemical Synthesis of Plasmonic Black Colloidal Gold Superparticles with Broadband Absorption Properties. <i>Nano Letters</i> , 2018 , 18, 5927-5932	11.5 20
100	Therapeutic Contact Lenses with Polymeric Vehicles for Ocular Drug Delivery: A Review. <i>Materials</i> , 2018 , 11,	3.5 49
99	Scalable synthesis of carbon-embedded ordered macroporous titania spheres with structural colors. <i>Korean Journal of Chemical Engineering</i> , 2018 , 35, 2138-2144	2.8 5
98	Enhanced Cancer Vaccination by In Situ Nanomicelle-Generating Dissolving Microneedles. <i>ACS Nano</i> , 2018 , 12, 9702-9713	16.7 88
97	Customized lipid-coated magnetic mesoporous silica nanoparticle doped with ceria nanoparticles for theragnosis of intracerebral hemorrhage. <i>Nano Research</i> , 2018 , 11, 3582-3592	10 22
96	Magnetically-Programmable Cylindrical Microparticles by Facile Reaping Method. <i>Macromolecular Research</i> , 2018 , 26, 1108-1114	1.9 3
95	Ceria Nanoparticles Synthesized With Aminocaproic Acid for the Treatment of Subarachnoid Hemorrhage. <i>Stroke</i> , 2018 , 49, 3030-3038	6.7 22
94	Polyaspartamide Functionalized Catechol-Based Hydrogels Embedded with Silver Nanoparticles for Antimicrobial Properties. <i>Polymers</i> , 2018 , 10,	4.5 5

93	On-Demand Macroscale Delivery System Based on a Macroporous Cryogel with a High Drug Loading Capacity for Enhanced Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3498-3505	5.5	6
92	Smart vaccine delivery based on microneedle arrays decorated with ultra-pH-responsive copolymers for cancer immunotherapy. <i>Biomaterials</i> , 2018 , 185, 13-24	15.6	92
91	A Hydrogel-Film Casting to Fabricate Platelet-Reinforced Polymer Composite Films Exhibiting Superior Mechanical Properties. <i>Small</i> , 2018 , 14, e1801042	11	14
90	Fabrication of cell-benign inverse opal hydrogels for three-dimensional cell culture. <i>Journal of Colloid and Interface Science</i> , 2017 , 494, 389-396	9.3	5
89	Highly interdigitated and porous architected ternary composite of SnS ₂ , g-C ₃ N ₄ , and reduced graphene oxide (rGO) as high performance lithium ion battery anodes. <i>RSC Advances</i> , 2017 , 7, 3125-3135	3.7	35
88	Chitosan Microgels Embedded with Catalase Nanozyme-Loaded Mesocellular Silica Foam for Glucose-Responsive Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 572-578	5.5	45
87	Stabilized polymeric nanoparticle from amphiphilic mPEG-b-polyaspartamides containing click functional groups. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017 , 66, 798-804	3	4
86	Mechanically Enhanced Hierarchically Porous Scaffold Composed of Mesoporous Silica for Host Immune Cell Recruitment. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1601160	10.1	11
85	Adhesive and self-healing soft gel based on metal-coordinated imidazole-containing polyaspartamide. <i>Colloid and Polymer Science</i> , 2017 , 295, 655-664	2.4	14
84	Extra-Large Pore Mesoporous Silica Nanoparticles for Directing in Vivo M2 Macrophage Polarization by Delivering IL-4. <i>Nano Letters</i> , 2017 , 17, 2747-2756	11.5	124
83	Polyaspartamide-based graft copolymers encapsulating iron oxide nanoparticles for imaging and fluorescence labelling of immune cells. <i>Biomaterials Science</i> , 2017 , 5, 305-312	7.4	14
82	Ultra-fine SnO ₂ nanoparticles doubly embedded in amorphous carbon and reduced graphene oxide (rGO) for superior lithium storage. <i>Electrochimica Acta</i> , 2017 , 224, 201-210	6.7	31
81	Supertough Hybrid Hydrogels Consisting of a Polymer Double-Network and Mesoporous Silica Microrods for Mechanically Stimulated On-Demand Drug Delivery. <i>Advanced Functional Materials</i> , 2017 , 27, 1703826	15.6	40
80	Colloidal Mesoporous Silica Nanoparticles as Strong Adhesives for Hydrogels and Biological Tissues. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31469-31477	9.5	32
79	Injectable Macroporous Ferrogel Microbeads with a High Structural Stability for Magnetically Actuated Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31372-31380	9.5	19
78	Carbohydrate-Functionalized rGO as an Effective Cancer Vaccine for Stimulating Antigen-Specific Cytotoxic T Cells and Inhibiting Tumor Growth. <i>Chemistry of Materials</i> , 2017 , 29, 6883-6892	9.6	26
77	Hydrogels: Supertough Hybrid Hydrogels Consisting of a Polymer Double-Network and Mesoporous Silica Microrods for Mechanically Stimulated On-Demand Drug Delivery (Adv. Funct. Mater. 42/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
76	Bioadhesive Nanoaggregates Based on Polyaspartamide-g-C18/DOPA for Wound Healing. <i>Biomacromolecules</i> , 2017 , 18, 2402-2409	6.9	19

75	CO ₂ -responsive swelling behavior and metal-ion adsorption properties in novel histamine-conjugated polyaspartamide hydrogel. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	10
74	Iron Oxide@Polypyrrole Core-Shell Nanoparticles as the Platform for Photothermal Agent and Electrochemical Biosensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6942-6948	1.3	2
73	The effect of surface modification of mesoporous silica micro-rod scaffold on immune cell activation and infiltration. <i>Biomaterials</i> , 2016 , 83, 249-56	15.6	65
72	Self-Position of Au NPs in Perovskite Solar Cells: Optical and Electrical Contribution. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 449-54	9.5	77
71	Designed fabrication of super-stiff, anisotropic hybrid hydrogels via linear remodeling of polymer networks and subsequent crosslinking. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1479-1483	7.3	49
70	Controlled Remodeling of Hydrogel Networks and Subsequent Crosslinking: A Strategy for Preparation of Alginate Hydrogels with Ultrahigh Density and Enhanced Mechanical Properties. <i>Macromolecular Chemistry and Physics</i> , 2015 , 216, 914-921	2.6	8
69	Facile, fine post-tuning of the longitudinal absorption wavelengths of pre-synthesized gold nanorods by introducing sulfide additives. <i>RSC Advances</i> , 2015 , 5, 52459-52465	3.7	7
68	A Biodegradation Study of SBA-15 Microparticles in Simulated Body Fluid and in Vivo. <i>Langmuir</i> , 2015 , 31, 6457-62	4	55
67	Salt-assisted synthesis of mesostructured cellular foams consisting of small primary particles with enhanced hydrothermal stability. <i>Microporous and Mesoporous Materials</i> , 2015 , 212, 66-72	5.3	3
66	Dental Hetero-Graft Materials with Nano Hydroxyapatite Surface Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 7942-9	1.3	7
65	Injectable, spontaneously assembling, inorganic scaffolds modulate immune cells in vivo and increase vaccine efficacy. <i>Nature Biotechnology</i> , 2015 , 33, 64-72	44.5	340
64	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality. <i>Langmuir</i> , 2015 , 31, 13773-82	4	25
63	Asymmetric nanoparticle assembly via simple mechanical pressing using relative hardness of materials. <i>Materials Research Bulletin</i> , 2015 , 70, 424-429	5.1	5
62	Size-controlled synthesis of uniform akaganeite nanorods and their encapsulation in alginate microbeads for arsenic removal. <i>RSC Advances</i> , 2014 , 4, 21777-21781	3.7	12
61	Mesoporous silica-coated luminescent Eu ³⁺ doped GdVO ₄ nanoparticles for multimodal imaging and drug delivery. <i>RSC Advances</i> , 2014 , 4, 45687-45695	3.7	26
60	Ultrasound-triggered disruption and self-healing of reversibly cross-linked hydrogels for drug delivery and enhanced chemotherapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9762-7	11.5	282
59	Cell-friendly inverse opal-like hydrogels for a spatially separated co-culture system. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 1578-86	4.8	31
58	Effect of pore structure of macroporous poly(lactide-co-glycolide) scaffolds on the in vivo enrichment of dendritic cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8505-12	9.5	33

57	Multi-lineage MSC differentiation via engineered morphogen fields. <i>Journal of Dental Research</i> , 2014 , 93, 1250-7	8.1	17
56	Tailoring dispersion and aggregation of Au nanoparticles in the BHJ layer of polymer solar cells: plasmon effects versus electrical effects. <i>ChemSusChem</i> , 2014 , 7, 3452-8	8.3	11
55	Synthesis of hierarchical linearly assembled graphitic carbon nanoparticles via catalytic graphitization in SBA-15. <i>Carbon</i> , 2014 , 75, 95-103	10.4	26
54	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. <i>Applied Catalysis A: General</i> , 2014 , 476, 133-139	5.1	67
53	Microfluidic fabrication of photo-responsive hydrogel capsules. <i>Chemical Communications</i> , 2013 , 49, 1865-8	5.8	36
52	Adipose tissue engineering using injectable, oxidized alginate hydrogels. <i>Tissue Engineering - Part A</i> , 2012 , 18, 737-43	3.9	51
51	Asymmetric functionalization of colloidal dimer particles with gold nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 9056-8	5.8	33
50	Surface modification with alginate-derived polymers for stable, protein-repellent, long-circulating gold nanoparticles. <i>ACS Nano</i> , 2012 , 6, 4796-805	16.7	48
49	Multifunctional mesoporous silica nanocomposite nanoparticles for theranostic applications. <i>Accounts of Chemical Research</i> , 2011 , 44, 893-902	24.3	608
48	Mesoporous silica-coated hollow manganese oxide nanoparticles as positive T1 contrast agents for labeling and MRI tracking of adipose-derived mesenchymal stem cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2955-61	16.4	446
47	In Vivo Modulation of Dendritic Cells by Engineered Materials: Towards New Cancer Vaccines. <i>Nano Today</i> , 2011 , 6, 466-477	17.9	55
46	Magnetic mesoporous materials for removal of environmental wastes. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1140-7	12.8	71
45	Targeted delivery of nanoparticles to ischemic muscle for imaging and therapeutic angiogenesis. <i>Nano Letters</i> , 2011 , 11, 694-700	11.5	113
44	Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging. <i>Angewandte Chemie</i> , 2011 , 123, 2365-2369	3.6	8
43	Titelbild: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew. Chem. 10/2011). <i>Angewandte Chemie</i> , 2011 , 123, 2237-2237	3.6	1
42	Multifunctional capsule-in-capsules for immunoprotection and trimodal imaging. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2317-21	16.4	74
41	Cover Picture: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew. Chem. Int. Ed. 10/2011). <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2189-2189	16.4	
40	Active scaffolds for on-demand drug and cell delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 67-72	11.5	505

39	Uniform mesoporous dye-doped silica nanoparticles decorated with multiple magnetite nanocrystals for simultaneous enhanced magnetic resonance imaging, fluorescence imaging, and drug delivery. <i>Journal of the American Chemical Society</i> , 2010 , 132, 552-7	16.4	645
38	Modulating Notch signaling to enhance neovascularization and reperfusion in diabetic mice. <i>Biomaterials</i> , 2010 , 31, 9048-56	15.6	23
37	Magnetic nanocomposite spheres decorated with NiO nanoparticles for a magnetically recyclable protein separation system. <i>Advanced Materials</i> , 2010 , 22, 57-60	24	138
36	Heterogeneous asymmetric Henry reaction using a chiral bis(oxazoline)-copper complex immobilized on magnetically separable mesocellular mesoporous silica support. <i>Tetrahedron: Asymmetry</i> , 2010 , 21, 285-291		43
35	Multifunctional silver-embedded magnetic nanoparticles as SERS nanoprobe and their applications. <i>Small</i> , 2010 , 6, 119-25	11	161
34	Magnetic surface-enhanced Raman spectroscopic (M-SERS) dots for the identification of bronchioalveolar stem cells in normal and lung cancer mice. <i>Biomaterials</i> , 2009 , 30, 3915-25	15.6	53
33	Multifunctional nanostructured materials for multimodal imaging, and simultaneous imaging and therapy. <i>Chemical Society Reviews</i> , 2009 , 38, 372-90	58.5	915
32	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7864		43
31	High performance immunoassay using immobilized enzyme in nanoporous carbon. <i>Analyst</i> , 2009 , 134, 926-32	5	19
30	Wrap-bake-peel process for nanostructural transformation from beta-FeOOH nanorods to biocompatible iron oxide nanocapsules. <i>Nature Materials</i> , 2008 , 7, 242-7	27	371
29	Multifunctional uniform nanoparticles composed of a magnetite nanocrystal core and a mesoporous silica shell for magnetic resonance and fluorescence imaging and for drug delivery. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8438-41	16.4	1065
28	Inside Cover: Multifunctional Uniform Nanoparticles Composed of a Magnetite Nanocrystal Core and a Mesoporous Silica Shell for Magnetic Resonance and Fluorescence Imaging and for Drug Delivery (Angew. Chem. Int. Ed. 44/2008). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8322-8322	16.4	2
27	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. <i>Advanced Functional Materials</i> , 2008 , 18, 3745-3758	15.6	355
26	Designed Fabrication of a Multifunctional Polymer Nanomedical Platform for Simultaneous Cancer-Targeted Imaging and Magnetically Guided Drug Delivery. <i>Advanced Materials</i> , 2008 , 20, 478-483	24	452
25	Bioinspired Surface Immobilization of Hyaluronic Acid on Monodisperse Magnetite Nanocrystals for Targeted Cancer Imaging. <i>Advanced Materials</i> , 2008 , 20, 4154-4157	24	255
24	Multifunctional Uniform Nanoparticles Composed of a Magnetite Nanocrystal Core and a Mesoporous Silica Shell for Magnetic Resonance and Fluorescence Imaging and for Drug Delivery. <i>Angewandte Chemie</i> , 2008 , 120, 8566-8569	3.6	127
23	Innentitelbild: Multifunctional Uniform Nanoparticles Composed of a Magnetite Nanocrystal Core and a Mesoporous Silica Shell for Magnetic Resonance and Fluorescence Imaging and for Drug Delivery (Angew. Chem. 44/2008). <i>Angewandte Chemie</i> , 2008 , 120, 8446-8446	3.6	2
22	A magnetically recyclable nanocomposite catalyst for olefin epoxidation. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7039-43	16.4	286

21	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie</i> , 2007 , 119, 7169-7173	3.6	81
20	Generalized fabrication of multifunctional nanoparticle assemblies on silica spheres. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 4789-93	16.4	215
19	Designed fabrication of multifunctional magnetic gold nanoshells and their application to magnetic resonance imaging and photothermal therapy. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7754-8	16.4	453
18	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. <i>Angewandte Chemie</i> , 2006 , 118, 4907-4911	3.6	59
17	Designed Fabrication of Multifunctional Magnetic Gold Nanoshells and Their Application to Magnetic Resonance Imaging and Photothermal Therapy. <i>Angewandte Chemie</i> , 2006 , 118, 7918-7922	3.6	142
16	Recent Progress in the Synthesis of Porous Carbon Materials. <i>Advanced Materials</i> , 2006 , 18, 2073-2094	24	1748
15	Sea urchin shaped carbon nanostructured materials: carbon nanotubes immobilized on hollow carbon spheres. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2984		43
14	Magnetic fluorescent delivery vehicle using uniform mesoporous silica spheres embedded with monodisperse magnetic and semiconductor nanocrystals. <i>Journal of the American Chemical Society</i> , 2006 , 128, 688-9	16.4	797
13	Synthesis of new nanostructured carbon materials using silica nanostructured templates by Korean research groups. <i>International Journal of Nanotechnology</i> , 2006 , 3, 253	1.5	7
12	Highly active heterogeneous Fenton catalyst using iron oxide nanoparticles immobilized in alumina coated mesoporous silica. <i>Chemical Communications</i> , 2006 , 463-5	5.8	163
11	Preparation of a magnetically switchable bio-electrocatalytic system employing cross-linked enzyme aggregates in magnetic mesocellular carbon foam. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7427-32	16.4	128
10	Preparation of a Magnetically Switchable Bio-electrocatalytic System Employing Cross-linked Enzyme Aggregates in Magnetic Mesocellular Carbon Foam. <i>Angewandte Chemie</i> , 2005 , 117, 7593-7598	3.6	24
9	Simple Fabrication of a Highly Sensitive and Fast Glucose Biosensor Using Enzymes Immobilized in Mesocellular Carbon Foam. <i>Advanced Materials</i> , 2005 , 17, 2828-2833	24	186
8	Simple synthesis of hierarchically ordered mesocellular mesoporous silica materials hosting crosslinked enzyme aggregates. <i>Small</i> , 2005 , 1, 744-53	11	179
7	A magnetically separable, highly stable enzyme system based on nanocomposites of enzymes and magnetic nanoparticles shipped in hierarchically ordered, mesocellular, mesoporous silica. <i>Small</i> , 2005 , 1, 1203-7	11	99
6	Direct synthesis of uniform mesoporous carbons from the carbonization of as-synthesized silica/triblock copolymer nanocomposites. <i>Carbon</i> , 2004 , 42, 2711-2719	10.4	116
5	Mesocellular polymer foams with unprecedented uniform large mesopores and high surface areas. <i>Chemical Communications</i> , 2004 , 562-3	5.8	18
4	Simple Synthesis of Uniform Mesoporous Carbons with Diverse Structures from Mesostructured Polymer/Silica Nanocomposites. <i>Chemistry of Materials</i> , 2004 , 16, 3323-3330	9.6	89

3	A facile synthesis of bimodal mesoporous silica and its replication for bimodal mesoporous carbon. <i>Chemical Communications</i> , 2003 , 1138-9	5.8	95
2	Synthesis of carbon tubes with mesoporous wall structure using designed silica tubes as templates. <i>Chemical Communications</i> , 2003 , 652-3	5.8	19
1	Nanoparticle-Based Tolerogenic Vaccines for the Treatment of Autoimmune Diseases: A Review. <i>ACS Applied Nano Materials</i> ,	5.6	0