Jaeyoon Kim

List of Publications by Citations

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	Recent Progress in the Synthesis of Porous Carbon Materials. *Advanced Materials*, **2006**, 18, 2073-2094	24	1748
145	Multifunctional uniform nanoparticles composed of a magnetite nanocrystal core and a mesoporous silica shell for magnetic resonance and fluorescence imaging and for drug delivery. *Angewandte Chemie - International Edition*, **2008**, 47, 8438-41	16.4	1065
144	Multifunctional nanostructured materials for multimodal imaging, and simultaneous imaging and therapy. *Chemical Society Reviews*, **2009**, 38, 372-90	58.5	915
143	Magnetic fluorescent delivery vehicle using uniform mesoporous silica spheres embedded with monodisperse magnetic and semiconductor nanocrystals. *Journal of the American Chemical Society*, **2006**, 128, 688-9	16.4	797
142	Uniform mesoporous dye-doped silica nanoparticles decorated with multiple magnetite nanocrystals for simultaneous enhanced magnetic resonance imaging, fluorescence imaging, and drug delivery. *Journal of the American Chemical Society*, **2010**, 132, 552-7	16.4	645
141	Multifunctional mesoporous silica nanocomposite nanoparticles for theranostic applications. *Accounts of Chemical Research*, **2011**, 44, 893-902	24.3	608
140	Active scaffolds for on-demand drug and cell delivery. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 67-72	11.5	505
139	Designed fabrication of multifunctional magnetic gold nanoshells and their application to magnetic resonance imaging and photothermal therapy. *Angewandte Chemie - International Edition*, **2006**, 45, 7754-8	16.4	453
138	Designed Fabrication of a Multifunctional Polymer Nanomedical Platform for Simultaneous Cancer-Targeted Imaging and Magnetically Guided Drug Delivery. *Advanced Materials*, **2008**, 20, 478-483	24	452
137	Mesoporous silica-coated hollow manganese oxide nanoparticles as positive T1 contrast agents for labeling and MRI tracking of adipose-derived mesenchymal stem cells. *Journal of the American Chemical Society*, **2011**, 133, 2955-61	16.4	446
136	Wrap-bake-peel process for nanostructural transformation from beta-FeOOH nanorods to biocompatible iron oxide nanocapsules. *Nature Materials*, **2008**, 7, 242-7	27	371
135	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. *Advanced Functional Materials*, **2008**, 18, 3745-3758	15.6	355
134	Injectable, spontaneously assembling, inorganic scaffolds modulate immune cells in vivo and increase vaccine efficacy. *Nature Biotechnology*, **2015**, 33, 64-72	44.5	340
133	A magnetically recyclable nanocomposite catalyst for olefin epoxidation. *Angewandte Chemie - International Edition*, **2007**, 46, 7039-43	16.4	286
132	Ultrasound-triggered disruption and self-healing of reversibly cross-linked hydrogels for drug delivery and enhanced chemotherapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9762-7	11.5	282
131	Bioinspired Surface Immobilization of Hyaluronic Acid on Monodisperse Magnetite Nanocrystals for Targeted Cancer Imaging. *Advanced Materials*, **2008**, 20, 4154-4157	24	255
130	A facile approach to enhance antigen response for personalized cancer vaccination. *Nature Materials*, **2018**, 17, 528-534	27	215

129	Generalized fabrication of multifunctional nanoparticle assemblies on silica spheres. *Angewandte Chemie - International Edition*, **2006**, 45, 4789-93	16.4	215
128	Simple Fabrication of a Highly Sensitive and Fast Glucose Biosensor Using Enzymes Immobilized in Mesocellular Carbon Foam. *Advanced Materials*, **2005**, 17, 2828-2833	24	186
127	Simple synthesis of hierarchically ordered mesocellular mesoporous silica materials hosting crosslinked enzyme aggregates. *Small*, **2005**, 1, 744-53	11	179
126	Highly active heterogeneous Fenton catalyst using iron oxide nanoparticles immobilized in alumina coated mesoporous silica. *Chemical Communications*, **2006**, 463-5	5.8	163
125	Multifunctional silver-embedded magnetic nanoparticles as SERS nanoprobes and their applications. *Small*, **2010**, 6, 119-25	11	161
124	Designed Fabrication of Multifunctional Magnetic Gold Nanoshells and Their Application to Magnetic Resonance Imaging and Photothermal Therapy. *Angewandte Chemie*, **2006**, 118, 7918-7922	3.6	142
123	Magnetic nanocomposite spheres decorated with NiO nanoparticles for a magnetically recyclable protein separation system. *Advanced Materials*, **2010**, 22, 57-60	24	138
122	Preparation of a magnetically switchable bio-electrocatalytic system employing cross-linked enzyme aggregates in magnetic mesocellular carbon foam. *Angewandte Chemie - International Edition*, **2005**, 44, 7427-32	16.4	128
121	Multifunctional Uniform Nanoparticles Composed of a Magnetite Nanocrystal Core and a Mesoporous Silica Shell for Magnetic Resonance and Fluorescence Imaging and for Drug Delivery. *Angewandte Chemie*, **2008**, 120, 8566-8569	3.6	127
120	Extra-Large Pore Mesoporous Silica Nanoparticles for Directing in Vivo M2 Macrophage Polarization by Delivering IL-4. *Nano Letters*, **2017**, 17, 2747-2756	11.5	124
119	Direct synthesis of uniform mesoporous carbons from the carbonization of as-synthesized silica/triblock copolymer nanocomposites. *Carbon*, **2004**, 42, 2711-2719	10.4	116
118	Targeted delivery of nanoparticles to ischemic muscle for imaging and therapeutic angiogenesis. *Nano Letters*, **2011**, 11, 694-700	11.5	113
117	A magnetically separable, highly stable enzyme system based on nanocomposites of enzymes and magnetic nanoparticles shipped in hierarchically ordered, mesocellular, mesoporous silica. *Small*, **2005**, 1, 1203-7	11	99
116	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. *ACS Central Science*, **2018**, 4, 484-492	16.8	98
115	A facile synthesis of bimodal mesoporous silica and its replication for bimodal mesoporous carbon. *Chemical Communications*, **2003**, 1138-9	5.8	95
114	Smart vaccine delivery based on microneedle arrays decorated with ultra-pH-responsive copolymers for cancer immunotherapy. *Biomaterials*, **2018**, 185, 13-24	15.6	92
113	Simple Synthesis of Uniform Mesoporous Carbons with Diverse Structures from Mesostructured Polymer/Silica Nanocomposites. *Chemistry of Materials*, **2004**, 16, 3323-3330	9.6	89
112	Enhanced Cancer Vaccination by In Situ Nanomicelle-Generating Dissolving Microneedles. *ACS Nano* , **2018**, 12, 9702-9713	16.7	88

111	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. *Angewandte Chemie*, **2007**, 119, 7169-7173	3.6	81
110	Self-Position of Au NPs in Perovskite Solar Cells: Optical and Electrical Contribution. *ACS Applied Materials & Interfaces*, **2016**, 8, 449-54	9.5	77
109	Multifunctional capsule-in-capsules for immunoprotection and trimodal imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 2317-21	16.4	74
108	Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy. *Advanced Materials*, **2019**, 31, e1803953	24	72
107	Magnetic mesoporous materials for removal of environmental wastes. *Journal of Hazardous Materials*, **2011**, 192, 1140-7	12.8	71
106	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. *Applied Catalysis A: General*, **2014**, 476, 133-139	5.1	67
105	The effect of surface modification of mesoporous silica micro-rod scaffold on immune cell activation and infiltration. *Biomaterials*, **2016**, 83, 249-56	15.6	65
104	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. *Angewandte Chemie*, **2006**, 118, 4907-4911	3.6	59
103	A Biodegradation Study of SBA-15 Microparticles in Simulated Body Fluid and in Vivo. *Langmuir*, **2015**, 31, 6457-62	4	55
102	In Vivo Modulation of Dendritic Cells by Engineered Materials: Towards New Cancer Vaccines. *Nano Today*, **2011**, 6, 466-477	17.9	55
101	Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery. *Advanced Functional Materials*, **2020**, 30, 2004407	15.6	54
100	Magnetic surface-enhanced Raman spectroscopic (M-SERS) dots for the identification of bronchioalveolar stem cells in normal and lung cancer mice. *Biomaterials*, **2009**, 30, 3915-25	15.6	53
99	Adipose tissue engineering using injectable, oxidized alginate hydrogels. *Tissue Engineering - Part A*, **2012**, 18, 737-43	3.9	51
98	Designed fabrication of super-stiff, anisotropic hybrid hydrogels via linear remodeling of polymer networks and subsequent crosslinking. *Journal of Materials Chemistry B*, **2015**, 3, 1479-1483	7.3	49
97	Therapeutic Contact Lenses with Polymeric Vehicles for Ocular Drug Delivery: A Review. *Materials*, **2018**, 11,	3.5	49
96	Surface modification with alginate-derived polymers for stable, protein-repellent, long-circulating gold nanoparticles. *ACS Nano*, **2012**, 6, 4796-805	16.7	48
95	Hydrogel-Based Artificial Muscles: Overview and Recent Progress. *Advanced Intelligent Systems*, **2020**, 2, 1900135	6	47
94	Anisotropic Hybrid Hydrogels with Superior Mechanical Properties Reminiscent of Tendons or Ligaments. *Advanced Functional Materials*, **2019**, 29, 1904342	15.6	46

93	Chitosan Microgels Embedded with Catalase Nanozyme-Loaded Mesocellular Silica Foam for Glucose-Responsive Drug Delivery. *ACS Biomaterials Science and Engineering*, **2017**, 3, 572-578	5.5	45
92	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. *Journal of Materials Chemistry*, **2009**, 19, 7864		43
91	Heterogeneous asymmetric Henry reaction using a chiral bis(oxazoline)-copper complex immobilized on magnetically separable mesocellular mesoporous silica support. *Tetrahedron: Asymmetry*, **2010**, 21, 285-291		43
90	Sea urchin shaped carbon nanostructured materials: carbon nanotubes immobilized on hollow carbon spheres. *Journal of Materials Chemistry*, **2006**, 16, 2984		43
89	Functional mesoporous silica nanoparticles for bio-imaging applications. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2019**, 11, e1515	9.2	43
88	Degradation-regulated architecture of injectable smart hydrogels enhances humoral immune response and potentiates antitumor activity in human lung carcinoma. *Biomaterials*, **2020**, 230, 119599	15.6	42
87	Supertough Hybrid Hydrogels Consisting of a Polymer Double-Network and Mesoporous Silica Microrods for Mechanically Stimulated On-Demand Drug Delivery. *Advanced Functional Materials*, **2017**, 27, 1703826	15.6	40
86	Injectable dual-scale mesoporous silica cancer vaccine enabling efficient delivery of antigen/adjuvant-loaded nanoparticles to dendritic cells recruited in local macroporous scaffold. *Biomaterials*, **2020**, 239, 119859	15.6	36
85	Microfluidic fabrication of photo-responsive hydrogel capsules. *Chemical Communications*, **2013**, 49, 1865-7	5.8	36
84	Highly interdigitated and porous architected ternary composite of SnS2, g-C3N4, and reduced graphene oxide (rGO) as high performance lithium ion battery anodes. *RSC Advances*, **2017**, 7, 3125-3135	3.7	35
83	Effect of pore structure of macroporous poly(lactide-co-glycolide) scaffolds on the in vivo enrichment of dendritic cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 8505-12	9.5	33
82	Asymmetric functionalization of colloidal dimer particles with gold nanoparticles. *Chemical Communications*, **2012**, 48, 9056-8	5.8	33
81	Modularly engineered injectable hybrid hydrogels based on protein-polymer network as potent immunologic adjuvant in vivo. *Biomaterials*, **2019**, 195, 100-110	15.6	33
80	Therapeutic Contact Lens for Scavenging Excessive Reactive Oxygen Species on the Ocular Surface. *ACS Nano*, **2020**, 14, 2483-2496	16.7	32
79	Colloidal Mesoporous Silica Nanoparticles as Strong Adhesives for Hydrogels and Biological Tissues. *ACS Applied Materials & Interfaces*, **2017**, 9, 31469-31477	9.5	32
78	Ultra-fine SnO2 nanoparticles doubly embedded in amorphous carbon and reduced graphene oxide (rGO) for superior lithium storage. *Electrochimica Acta*, **2017**, 224, 201-210	6.7	31
77	Cell-friendly inverse opal-like hydrogels for a spatially separated co-culture system. *Macromolecular Rapid Communications*, **2014**, 35, 1578-86	4.8	31
76	Extreme properties of double networked ionogel electrolytes for flexible and durable energy storage devices. *Energy Storage Materials*, **2019**, 19, 197-205	19.4	30

75	Hollow Mesoporous Silica Nanoparticles with Extra-Large Mesopores for Enhanced Cancer Vaccine. *ACS Applied Materials & Interfaces*, **2020**, 12, 34658-34666	9.5	27
74	Mesoporous silica-coated luminescent Eu3+ doped GdVO4 nanoparticles for multimodal imaging and drug delivery. *RSC Advances*, **2014**, 4, 45687-45695	3.7	26
73	Carbohydrate-Functionalized rGO as an Effective Cancer Vaccine for Stimulating Antigen-Specific Cytotoxic T Cells and Inhibiting Tumor Growth. *Chemistry of Materials*, **2017**, 29, 6883-6892	9.6	26
72	Synthesis of hierarchical linearly assembled graphitic carbon nanoparticles via catalytic graphitization in SBA-15. *Carbon*, **2014**, 75, 95-103	10.4	26
71	Properties of immature and mature dendritic cells: phenotype, morphology, phagocytosis, and migration.. *RSC Advances*, **2019**, 9, 11230-11238	3.7	25
70	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality. *Langmuir*, **2015**, 31, 13773-82	4	25
69	Self-assembled PEGylated albumin nanoparticles (SPAN) as a platform for cancer chemotherapy and imaging. *Drug Delivery*, **2018**, 25, 1570-1578	7	24
68	Preparation of a Magnetically Switchable Bio-electrocatalytic System Employing Cross-linked Enzyme Aggregates in Magnetic Mesocellular Carbon Foam. *Angewandte Chemie*, **2005**, 117, 7593-7598	3.6	24
67	Modulating Notch signaling to enhance neovascularization and reperfusion in diabetic mice. *Biomaterials*, **2010**, 31, 9048-56	15.6	23
66	Mesoporous Silica Nanoparticles Doped with Gold Nanoparticles for Combined Cancer Immunotherapy and Photothermal Therapy.. *ACS Applied Bio Materials*, **2019**, 2, 3630-3638	4.1	22
65	Customized lipid-coated magnetic mesoporous silica nanoparticle doped with ceria nanoparticles for theragnosis of intracerebral hemorrhage. *Nano Research*, **2018**, 11, 3582-3592	10	22
64	Ceria Nanoparticles Synthesized With Aminocaproic Acid for the Treatment of Subarachnoid Hemorrhage. *Stroke*, **2018**, 49, 3030-3038	6.7	22
63	Direct Chemical Synthesis of Plasmonic Black Colloidal Gold Superparticles with Broadband Absorption Properties. *Nano Letters*, **2018**, 18, 5927-5932	11.5	20
62	Injectable Macroporous Ferrogel Microbeads with a High Structural Stability for Magnetically Actuated Drug Delivery. *ACS Applied Materials & Interfaces*, **2017**, 9, 31372-31380	9.5	19
61	Bioadhesive Nanoaggregates Based on Polyaspartamide-g-C18/DOPA for Wound Healing. *Biomacromolecules*, **2017**, 18, 2402-2409	6.9	19
60	High performance immunoassay using immobilized enzyme in nanoporous carbon. *Analyst, The*, **2009**, 134, 926-32	5	19
59	Synthesis of carbon tubes with mesoporous wall structure using designed silica tubes as templates. *Chemical Communications*, **2003**, 652-3	5.8	19
58	Mesocellular polymer foams with unprecedented uniform large mesopores and high surface areas. *Chemical Communications*, **2004**, 562-3	5.8	18

57	Multi-lineage MSC differentiation via engineered morphogen fields. *Journal of Dental Research*, **2014**, 93, 1250-7	8.1	17
56	Enhanced Cancer DNA Vaccine Direct Transfection to Host Dendritic Cells Recruited in Injectable Scaffolds. *ACS Nano*, **2020**, 14, 11623-11636	16.7	15
55	Synthesis of high-quality carbon nanotubes by using monodisperse spherical mesoporous silica encapsulating iron oxide nanoparticles. *Korean Journal of Chemical Engineering*, **2019**, 36, 157-165	2.8	15
54	Adhesive and self-healing soft gel based on metal-coordinated imidazole-containing polyaspartamide. *Colloid and Polymer Science*, **2017**, 295, 655-664	2.4	14
53	Polyaspartamide-based graft copolymers encapsulating iron oxide nanoparticles for imaging and fluorescence labelling of immune cells. *Biomaterials Science*, **2017**, 5, 305-312	7.4	14
52	A 3D Macroporous Alginate Graphene Scaffold with an Extremely Slow Release of a Loaded Cargo for In Situ Long-Term Activation of Dendritic Cells. *Advanced Healthcare Materials*, **2019**, 8, e1800571	10.1	14
51	Recent Progress in Autocatalytic Ceria Nanoparticles-Based Translational Research on Brain Diseases. *ACS Applied Nano Materials*, **2020**, 3, 1043-1062	5.6	14
50	A Hydrogel-Film Casting to Fabricate Platelet-Reinforced Polymer Composite Films Exhibiting Superior Mechanical Properties. *Small*, **2018**, 14, e1801042	11	14
49	Ceria Nanoparticles Fabricated with 6-Aminohexanoic Acid that Overcome Systemic Inflammatory Response Syndrome. *Advanced Healthcare Materials*, **2019**, 8, e1801548	10.1	13
48	Three-Dimensional Macroporous Alginate Scaffolds Embedded with Akaganeite Nanorods for the Filter-Based High-Speed Preparation of Arsenic-Free Drinking Water. *ACS Applied Nano Materials*, **2018**, 1, 1940-1948	5.6	13
47	Size-controlled synthesis of uniform akaganeite nanorods and their encapsulation in alginate microbeads for arsenic removal. *RSC Advances*, **2014**, 4, 21777-21781	3.7	12
46	Mechanically Enhanced Hierarchically Porous Scaffold Composed of Mesoporous Silica for Host Immune Cell Recruitment. *Advanced Healthcare Materials*, **2017**, 6, 1601160	10.1	11
45	Bioinspired Design and Fabrication of Polymer Composite Films Consisting of a Strong and Stiff Organic Matrix and Microsized Inorganic Platelets. *ACS Nano*, **2019**, 13, 2773-2785	16.7	11
44	Hierarchically Porous Composite Scaffold Composed of SBA-15 Microrods and Reduced Graphene Oxide Functionalized with Cyclodextrin for Water Purification. *ACS Applied Materials & Interfaces*, **2019**, 11, 15764-15772	9.5	11
43	Tailoring dispersion and aggregation of Au nanoparticles in the BHJ layer of polymer solar cells: plasmon effects versus electrical effects. *ChemSusChem*, **2014**, 7, 3452-8	8.3	11
42	CO2-responsive swelling behavior and metal-ion adsorption properties in novel histamine-conjugated polyaspartamide hydrogel. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	10
41	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. *Advanced Functional Materials*, **2021**, 31, 2008352	15.6	9
40	Controlled Remodeling of Hydrogel Networks and Subsequent Crosslinking: A Strategy for Preparation of Alginate Hydrogels with Ultrahigh Density and Enhanced Mechanical Properties. *Macromolecular Chemistry and Physics*, **2015**, 216, 914-921	2.6	8

39	Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging. *Angewandte Chemie*, **2011**, 123, 2365-2369	3.6	8
38	Facile, fine post-tuning of the longitudinal absorption wavelengths of pre-synthesized gold nanorods by introducing sulfide additives. *RSC Advances*, **2015**, 5, 52459-52465	3.7	7
37	Dental Hetero-Graft Materials with Nano Hydroxyapatite Surface Treatment. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 7942-9	1.3	7
36	Hydrophobicity-enhanced adhesion of novel biomimetic biocompatible polyaspartamide derivative glues. *Polymer International*, **2018**, 67, 557-565	3.3	7
35	Synthesis of new nanostructured carbon materials using silica nanostructured templates by Korean research groups. *International Journal of Nanotechnology*, **2006**, 3, 253	1.5	7
34	Anisotropic Hydrogels with a Multiscale Hierarchical Structure Exhibiting High Strength and Toughness for Mimicking Tendons.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	7
33	Sequential Targeted Delivery of Liposomes to Ischemic Tissues by Controlling Blood Vessel Permeability. *ACS Biomaterials Science and Engineering*, **2018**, 4, 532-538	5.5	6
32	Recent Strategies for Strengthening and Stiffening Tough Hydrogels. *Advanced NanoBiomed Research*, **2021**, 1, 2100026	0	6
31	Simultaneous delivery of DNA vaccine and hydrophobic adjuvant using reducible polyethylenimine-functionalized graphene oxide for activation of dendritic cells. *Journal of Industrial and Engineering Chemistry*, **2019**, 80, 870-876	6.3	6
30	On-Demand Macroscale Delivery System Based on a Macroporous Cryogel with a High Drug Loading Capacity for Enhanced Cancer Therapy. *ACS Biomaterials Science and Engineering*, **2018**, 4, 3498-3505	5.5	6
29	Fabrication of cell-benign inverse opal hydrogels for three-dimensional cell culture. *Journal of Colloid and Interface Science*, **2017**, 494, 389-396	9.3	5
28	Scalable synthesis of carbon-embedded ordered macroporous titania spheres with structural colors. *Korean Journal of Chemical Engineering*, **2018**, 35, 2138-2144	2.8	5
27	Asymmetric nanoparticle assembly via simple mechanical pressing using relative hardness of materials. *Materials Research Bulletin*, **2015**, 70, 424-429	5.1	5
26	Encapsulation of superparamagnetic iron oxide nanoparticles with polyaspartamide biopolymer for hyperthermia therapy. *European Polymer Journal*, **2020**, 122, 109396	5.2	5
25	Polyaspartamide Functionalized Catechol-Based Hydrogels Embedded with Silver Nanoparticles for Antimicrobial Properties. *Polymers*, **2018**, 10,	4.5	5
24	Stabilized polymeric nanoparticle from amphiphilic mPEG-b-polyaspartamides containing “click” functional groups. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2017**, 66, 798-804	3	4
23	In Situ Magnetic Alignment and Cross-Linking of Injectable Microparticles into Centimeter-Scale Fibers for Efficient Myoblast Alignment and in Vivo Fiber Formation. *Chemistry of Materials*, **2019**, 31, 5181-5189	9.6	4
22	Nanozyme-Based Enhanced Cancer Immunotherapy.. *Tissue Engineering and Regenerative Medicine*, **2022**, 1	4.5	4

21	Salt-assisted synthesis of mesostructured cellular foams consisting of small primary particles with enhanced hydrothermal stability. *Microporous and Mesoporous Materials*, **2015**, 212, 66-72	5.3	3
20	Magnetically-Programmable Cylindrical Microparticles by Facile Reaping Method. *Macromolecular Research*, **2018**, 26, 1108-1114	1.9	3
19	Durable tetra-scale superhydrophobic coatings with virus-like nanoparticles for oil–water separations. *Applied Surface Science*, **2021**, 570, 151088	6.7	3
18	Iron Oxide@Polypyrrole Core–Shell Nanoparticles as the Platform for Photothermal Agent and Electrochemical Biosensor. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 6942-6948	1.3	2
17	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). *Angewandte Chemie - International Edition*, **2008**, 47, 8322-8322	16.4	2
16	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). *Angewandte Chemie*, **2008**, 120, 8446-8446	3.6	2
15	Hydrogel Patch: Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery (Adv. Funct. Mater. 42/2020). *Advanced Functional Materials*, **2020**, 30, 2070280	15.6	2
14	Bioinspired Structural Composite Hydrogels with a Combination of High Strength, Stiffness, and Toughness. *Advanced Functional Materials*, **2021**, 31, 2101095	15.6	2
13	Alternative Activation of Macrophages through Interleukin-13-Loaded Extra-Large-Pore Mesoporous Silica Nanoparticles Suppresses Experimental Autoimmune Encephalomyelitis. *ACS Biomaterials Science and Engineering*, **2021**, 7, 4446-4453	5.5	2
12	Effective systemic siRNA delivery using dual-layer protected long-circulating nanohydrogel containing an inorganic core. *Biomaterials Science*, **2019**, 7, 3297-3306	7.4	1
11	Synthesis of hollow magnetic carbon microbeads using iron oleate@alginate core-shell hydrogels and their application to magnetic separation of organic dye. *Korean Journal of Chemical Engineering* , **2020**, 37, 875-882	2.8	1
10	Cancer Immunotherapy: Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy (Adv. Mater. 34/2019). *Advanced Materials*, **2019**, 31, 1970243	24	1
9	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). *Advanced Functional Materials*, **2017**, 27,	15.6	1
8	Titelbild: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew. Chem. 10/2011). *Angewandte Chemie*, **2011**, 123, 2237-2237	3.6	1
7	Dual-crosslinked hydrogels with metal coordination from novel co-polyaspartamide containing 1,2-dihydroxy and imidazole pendant groups. *Journal of Applied Polymer Science*, **2021**, 138, 51278	2.9	1
6	Facile Room-Temperature Synthesis of Cerium Carbonate and Cerium Oxide Nano- and Microparticles Using 1,1′-Carbonyldiimidazole and Imidazole in a Nonaqueous Solvent. *ACS Omega*, **2021**, 6, 26477-26488	3.9	1
5	Nanoparticle-Based Tolerogenic Vaccines for the Treatment of Autoimmune Diseases: A Review. *ACS Applied Nano Materials*,	5.6	0
4	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). *Advanced Healthcare Materials*, **2019**, 8, 1970016	10.1	

3	Anisotropic Hybrid Hydrogels: Anisotropic Hybrid Hydrogels with Superior Mechanical Properties Reminiscent of Tendons or Ligaments (Adv. Funct. Mater. 38/2019). *Advanced Functional Materials*, **2019**, 29, 1970260	15.6
2	Cover Image, Volume 11, Issue 1. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2019**, 11, e1549	9.2
1	Cover Picture: Multifunctional Capsule-in-Capsules for Immunoprotection and Trimodal Imaging (Angew. Chem. Int. Ed. 10/2011). *Angewandte Chemie - International Edition*, **2011**, 50, 2189-2189	16.4