

Jaeyoon Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4639797/publications.pdf>

Version: 2024-02-01

147
papers

17,352
citations

22153

59
h-index

13379

130
g-index

155
all docs

155
docs citations

155
times ranked

23089
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in the Synthesis of Porous Carbon Materials. <i>Advanced Materials</i> , 2006, 18, 2073-2094.	21.0	1,917
2	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, 8438-8441.	13.8	1,135
3	Multifunctional nanostructured materials for multimodal imaging, and simultaneous imaging and therapy. <i>Chemical Society Reviews</i> , 2009, 38, 372-390.	38.1	981
4	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, 688-689.	13.7	834
5	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, 552-557.	13.7	687
6	Multifunctional Mesoporous Silica Nanocomposite Nanoparticles for Theranostic Applications. <i>Accounts of Chemical Research</i> , 2011, 44, 893-902.	15.6	676
7	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.	7.1	630
8	Mesoporous Silica-Coated Hollow Manganese Oxide Nanoparticles as Positive Contrast Agents for Labeling and MRI Tracking of Adipose-Derived Mesenchymal Stem Cells. <i>Journal of the American Chemical Society</i> , 2011, 133, 2955-2961.	13.7	491
9	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.	21.0	476
10	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, 7754-7758.	13.8	475
11	Injectable, spontaneously assembling, inorganic scaffolds modulate immune cells in vivo and increase vaccine efficacy. <i>Nature Biotechnology</i> , 2015, 33, 64-72.	17.5	436
12	Wrap-and-bake-peel process for nanostructural transformation from FeOOH nanorods to biocompatible iron oxide nanocapsules. <i>Nature Materials</i> , 2008, 7, 242-247.	27.5	401
13	Designed Fabrication of Silica-Based Nanostructured Particle Systems for Nanomedicine Applications. <i>Advanced Functional Materials</i> , 2008, 18, 3745-3758.	14.9	382
14	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, 9762-9767.	7.1	372
15	A facile approach to enhance antigen response for personalized cancer vaccination. <i>Nature Materials</i> , 2018, 17, 528-534.	27.5	313
16	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7039-7043.	13.8	303
17	Bioinspired Surface Immobilization of Hyaluronic Acid on Monodisperse Magnetite Nanocrystals for Targeted Cancer Imaging. <i>Advanced Materials</i> , 2008, 20, 4154-4157.	21.0	274
18	Generalized Fabrication of Multifunctional Nanoparticle Assemblies on Silica Spheres. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4789-4793.	13.8	227

#	ARTICLE	IF	CITATIONS
19	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.	21.0	202
20	Simple Synthesis of Hierarchically Ordered Mesocellular Mesoporous Silica Materials Hosting Crosslinked Enzyme Aggregates. <i>Small</i> , 2005, 1, 744-753.	10.0	184
21	Multifunctional Silver-Embedded Magnetic Nanoparticles as SERS Nanoprobes and Their Applications. <i>Small</i> , 2010, 6, 119-125.	10.0	184
22	Highly active heterogeneous Fenton catalyst using iron oxide nanoparticles immobilized in alumina coated mesoporous silica. <i>Chemical Communications</i> , 2006, , 463-465.	4.1	180
23	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.	9.1	173
24	Magnetic Nanocomposite Spheres Decorated with NiO Nanoparticles for a Magnetically Recyclable Protein Separation System. <i>Advanced Materials</i> , 2010, 22, 57-60.	21.0	147
25	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.	11.3	146
26	Smart vaccine delivery based on microneedle arrays decorated with ultra-pH-responsive copolymers for cancer immunotherapy. <i>Biomaterials</i> , 2018, 185, 13-24.	11.4	142
27	Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery. <i>Advanced Functional Materials</i> , 2020, 30, 2004407.	14.9	142
28	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, 7427-7432.	13.8	137
29	Targeted Delivery of Nanoparticles to Ischemic Muscle for Imaging and Therapeutic Angiogenesis. <i>Nano Letters</i> , 2011, 11, 694-700.	9.1	135
30	Direct synthesis of uniform mesoporous carbons from the carbonization of as-synthesized silica/triblock copolymer nanocomposites. <i>Carbon</i> , 2004, 42, 2711-2719.	10.3	134
31	Enhanced Cancer Vaccination by <i>In Situ</i> Nanomicelle-Generating Dissolving Microneedles. <i>ACS Nano</i> , 2018, 12, 9702-9713.	14.6	127
32	Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy. <i>Advanced Materials</i> , 2019, 31, e1803953.	21.0	124
33	Superstrong, superstiff, and conductive alginate hydrogels. <i>Nature Communications</i> , 2022, 13, .	12.8	112
34	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, 1203-1207.	10.0	106
35	Hydrogel-Based Artificial Muscles: Overview and Recent Progress. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900135.	6.1	103
36	A facile synthesis of bimodal mesoporous silica and its replication for bimodal mesoporous carbon. Electronic supplementary information (ESI) available: experimental procedure and Figs. S1-S4. See http://www.rsc.org/suppdata/cc/b3/b301535a/ . <i>Chemical Communications</i> , 2003, , 1138-1139.	4.1	100

#	ARTICLE	IF	CITATIONS
37	Simple Synthesis of Uniform Mesoporous Carbons with Diverse Structures from Mesostructured Polymer/Silica Nanocomposites. <i>Chemistry of Materials</i> , 2004, 16, 3323-3330.	6.7	94
38	Self-Position of Au NPs in Perovskite Solar Cells: Optical and Electrical Contribution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 449-454.	8.0	91
39	The effect of surface modification of mesoporous silica micro-rod scaffold on immune cell activation and infiltration. <i>Biomaterials</i> , 2016, 83, 249-256.	11.4	85
40	A Magnetically Recyclable Nanocomposite Catalyst for Olefin Epoxidation. <i>Angewandte Chemie</i> , 2007, 119, 7169-7173.	2.0	82
41	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.	11.4	82
42	Properties of immature and mature dendritic cells: phenotype, morphology, phagocytosis, and migration. <i>RSC Advances</i> , 2019, 9, 11230-11238.	3.6	81
43	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.	11.4	79
44	Magnetic mesoporous materials for removal of environmental wastes. <i>Journal of Hazardous Materials</i> , 2011, 192, 1140-1147.	12.4	78
45	Multifunctional Capsules for Immunoprotection and Trimodal Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2317-2321.	13.8	77
46	Functional mesoporous silica nanoparticles for bioimaging applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1515.	6.1	75
47	Anisotropic Hybrid Hydrogels with Superior Mechanical Properties Reminiscent of Tendons or Ligaments. <i>Advanced Functional Materials</i> , 2019, 29, 1904342.	14.9	74
48	Hollow Mesoporous Silica Nanoparticles with Extra-Large Mesopores for Enhanced Cancer Vaccine. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 34658-34666.	8.0	74
49	Magnetically separable carbon nanocomposite catalysts for efficient nitroarene reduction and Suzuki reactions. <i>Applied Catalysis A: General</i> , 2014, 476, 133-139.	4.3	73
50	Therapeutic Contact Lenses with Polymeric Vehicles for Ocular Drug Delivery: A Review. <i>Materials</i> , 2018, 11, 1125.	2.9	72
51	A Biodegradation Study of SBA-15 Microparticles in Simulated Body Fluid and <i>in Vivo</i> . <i>Langmuir</i> , 2015, 31, 6457-6462.	3.5	69
52	Therapeutic Contact Lens for Scavenging Excessive Reactive Oxygen Species on the Ocular Surface. <i>ACS Nano</i> , 2020, 14, 2483-2496.	14.6	68
53	In vivo modulation of dendritic cells by engineered materials: Towards new cancer vaccines. <i>Nano Today</i> , 2011, 6, 466-477.	11.9	63
54	Adipose Tissue Engineering Using Injectable, Oxidized Alginate Hydrogels. <i>Tissue Engineering - Part A</i> , 2012, 18, 737-743.	3.1	63

#	ARTICLE	IF	CITATIONS
55	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.	5.8	63
56	ROS-Scavenging Therapeutic Hydrogels for Modulation of the Inflammatory Response. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 23002-23021.	8.0	63
57	Supertough Hybrid Hydrogels Consisting of a Polymer Double- ϵ Network and Mesoporous Silica Microrods for Mechanically Stimulated On-Demand Drug Delivery. <i>Advanced Functional Materials</i> , 2017, 27, 1703826.	14.9	60
58	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, 3915-3925.	11.4	58
59	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.	5.2	58
60	Extreme properties of double networked ionogel electrolytes for flexible and durable energy storage devices. <i>Energy Storage Materials</i> , 2019, 19, 197-205.	18.0	54
61	Surface Modification with Alginate-Derived Polymers for Stable, Protein-Repellent, Long-Circulating Gold Nanoparticles. <i>ACS Nano</i> , 2012, 6, 4796-4805.	14.6	53
62	Colloidal Mesoporous Silica Nanoparticles as Strong Adhesives for Hydrogels and Biological Tissues. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31469-31477.	8.0	49
63	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.	1.8	48
64	Sea urchin shaped carbon nanostructured materials: carbon nanotubes immobilized on hollow carbon spheres. <i>Journal of Materials Chemistry</i> , 2006, 16, 2984.	6.7	46
65	Modularly engineered injectable hybrid hydrogels based on protein-polymer network as potent immunologic adjuvant in vivo. <i>Biomaterials</i> , 2019, 195, 100-110.	11.4	45
66	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.	6.7	44
67	Microfluidic fabrication of photo-responsive hydrogel capsules. <i>Chemical Communications</i> , 2013, 49, 1865.	4.1	42
68	Enhanced Cancer DNA Vaccine <i>via</i> Direct Transfection to Host Dendritic Cells Recruited in Injectable Scaffolds. <i>ACS Nano</i> , 2020, 14, 11623-11636.	14.6	40
69	Cell-Friendly Inverse Opal-Like Hydrogels for a Spatially Separated Co-Culture System. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1578-1586.	3.9	38
70	Effect of Pore Structure of Macroporous Poly(Lactide-co-Glycolide) Scaffolds on the <i>in Vivo</i> Enrichment of Dendritic Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8505-8512.	8.0	38
71	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.	3.6	37
72	Ceria Nanoparticles Synthesized With Aminocaproic Acid for the Treatment of Subarachnoid Hemorrhage. <i>Stroke</i> , 2018, 49, 3030-3038.	2.0	37

#	ARTICLE	IF	CITATIONS
73	Mesoporous Silica Nanoparticles Doped with Gold Nanoparticles for Combined Cancer Immunotherapy and Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 3630-3638.	4.6	37
74	Asymmetric functionalization of colloidal dimer particles with gold nanoparticles. <i>Chemical Communications</i> , 2012, 48, 9056.	4.1	35
75	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.	5.2	35
76	Direct Chemical Synthesis of Plasmonic Black Colloidal Gold Superparticles with Broadband Absorption Properties. <i>Nano Letters</i> , 2018, 18, 5927-5932.	9.1	34
77	Recent Strategies for Strengthening and Stiffening Tough Hydrogels. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100026.	3.6	34
78	Customized lipid-coated magnetic mesoporous silica nanoparticle doped with ceria nanoparticles for theragnosis of intracerebral hemorrhage. <i>Nano Research</i> , 2018, 11, 3582-3592.	10.4	32
79	Mesoporous silica-coated luminescent Eu ³⁺ -doped GdVO ₄ nanoparticles for multimodal imaging and drug delivery. <i>RSC Advances</i> , 2014, 4, 45687-45695.	3.6	31
80	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.	6.7	30
81	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality. <i>Langmuir</i> , 2015, 31, 13773-13782.	3.5	29
82	Injectable Macroporous Ferrogel Microbeads with a High Structural Stability for Magnetically Actuated Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31372-31380.	8.0	29
83	Therapeutic Hydrogel Patch to Treat Atopic Dermatitis by Regulating Oxidative Stress. <i>Nano Letters</i> , 2022, 22, 2038-2047.	9.1	29
84	Synthesis of hierarchical linearly assembled graphitic carbon nanoparticles via catalytic graphitization in SBA-15. <i>Carbon</i> , 2014, 75, 95-103.	10.3	28
85	Self-assembled PEGylated albumin nanoparticles (SPAN) as a platform for cancer chemotherapy and imaging. <i>Drug Delivery</i> , 2018, 25, 1570-1578.	5.7	28
86	Ceria Nanoparticles Fabricated with 6-aminohexanoic Acid that Overcome Systemic Inflammatory Response Syndrome. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801548.	7.6	28
87	Anisotropic Hydrogels with a Multiscale Hierarchical Structure Exhibiting High Strength and Toughness for Mimicking Tendons. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4479-4489.	8.0	28
88	Modulating Notch signaling to enhance neovascularization and reperfusion in diabetic mice. <i>Biomaterials</i> , 2010, 31, 9048-9056.	11.4	27
89	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.	7.6	27
90	Recent Progress in Autocatalytic Ceria Nanoparticles-Based Translational Research on Brain Diseases. <i>ACS Applied Nano Materials</i> , 2020, 3, 1043-1062.	5.0	27

#	ARTICLE	IF	CITATIONS
91	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.	14.6	25
92	Biomimetic Nanomaterial Strategies for Virus Targeting: Antiviral Therapies and Vaccines. <i>Advanced Functional Materials</i> , 2021, 31, 2008352.	14.9	25
93	Multi-lineage MSC Differentiation <i>via</i> Engineered Morphogen Fields. <i>Journal of Dental Research</i> , 2014, 93, 1250-1257.	5.2	24
94	Nanozyme-Based Enhanced Cancer Immunotherapy. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 237-252.	3.7	24
95	Bioadhesive Nanoaggregates Based on Polyaspartamide- <i>g</i> -C18/DOPA for Wound Healing. <i>Biomacromolecules</i> , 2017, 18, 2402-2409.	5.4	23
96	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.	2.7	23
97	High performance immunoassay using immobilized enzyme in nanoporous carbon. <i>Analyst</i> , 2009, 134, 926.	3.5	22
98	A Hydrogelâ€Film Casting to Fabricate Plateletâ€Reinforced Polymer Composite Films Exhibiting Superior Mechanical Properties. <i>Small</i> , 2018, 14, e1801042.	10.0	22
99	Bioinspired Structural Composite Hydrogels with a Combination of High Strength, Stiffness, and Toughness. <i>Advanced Functional Materials</i> , 2021, 31, 2101095.	14.9	22
100	Synthesis of carbon tubes with mesoporous wall structure using designed silica tubes as templates Electronic supplementary information (ESI) available: TEM image of a carbon tube showing disordered mesoporous walls. See http://www.rsc.org/suppdata/cc/b2/b212336c/ . <i>Chemical Communications</i> , 2003, , 652-653.	4.1	19
101	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.	5.0	19
102	Mesocellular polymer foams with unprecedented uniform large mesopores and high surface areas Electronic supplementary information (ESI) available: isotherms and corresponding pore size distribution of the MCF silica template and poly(DVB)/MCF silica composite, IR spectrum of mesocellular polymer foam, and TEM image of the MCF silica template. See http://www.rsc.org/suppdata/cc/b3/b310713b/ . <i>Chemical Communications</i> , 2004, , 562.	4.1	18
103	Adhesive and self-healing soft gel based on metal-coordinated imidazole-containing polyaspartamide. <i>Colloid and Polymer Science</i> , 2017, 295, 655-664.	2.1	18
104	CO_2 -responsive swelling behavior and metalâ€ion adsorption properties in novel histamineâ€conjugated polyaspartamide hydrogel. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	16
105	Polyaspartamide-based graft copolymers encapsulating iron oxide nanoparticles for imaging and fluorescence labelling of immune cells. <i>Biomaterials Science</i> , 2017, 5, 305-312.	5.4	16
106	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.	5.8	16
107	Size-controlled synthesis of uniform akaganeite nanorods and their encapsulation in alginate microbeads for arsenic removal. <i>RSC Advances</i> , 2014, 4, 21777-21781.	3.6	15
108	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.	8.0	15

#	ARTICLE	IF	CITATIONS
109	Mechanically Enhanced Hierarchically Porous Scaffold Composed of Mesoporous Silica for Host Immune Cell Recruitment. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601160.	7.6	14
110	Encapsulation of superparamagnetic iron oxide nanoparticles with polyaspartamide biopolymer for hyperthermia therapy. <i>European Polymer Journal</i> , 2020, 122, 109396.	5.4	14
111	Hydrophobicity-enhanced adhesion of novel biomimetic biocompatible polyaspartamide derivative glues. <i>Polymer International</i> , 2018, 67, 557-565.	3.1	13
112	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, 3452-3458.	6.8	12
113	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.	5.2	12
114	Injectable Hydrogel Based on Protein-Polyester Microporous Network as an Implantable Niche for Active Cell Recruitment. <i>Pharmaceutics</i> , 2022, 14, 709.	4.5	11
115	Polyaspartamide Functionalized Catechol-Based Hydrogels Embedded with Silver Nanoparticles for Antimicrobial Properties. <i>Polymers</i> , 2018, 10, 1188.	4.5	10
116	Durable tetra-scale superhydrophobic coatings with virus-like nanoparticles for oil-water separations. <i>Applied Surface Science</i> , 2021, 570, 151088.	6.1	10
117	Synthesis of new nanostructured carbon materials using silica nanostructured templates by Korean research groups. <i>International Journal of Nanotechnology</i> , 2006, 3, 253.	0.2	9
118	Electrochemical Performances of Yttrium Doped $\text{Li}_{3-\text{V}}\text{X}_\text{Y}(\text{PO}_4)_3/\text{C}$ Cathode Material for Lithium Secondary Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8042-8047.	0.9	9
119	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.	2.2	8
120	Asymmetric nanoparticle assembly via simple mechanical pressing using relative hardness of materials. <i>Materials Research Bulletin</i> , 2015, 70, 424-429.	5.2	7
121	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.	3.6	7
122	Fabrication of cell-benign inverse opal hydrogels for three-dimensional cell culture. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 389-396.	9.4	7
123	Sequential Targeted Delivery of Liposomes to Ischemic Tissues by Controlling Blood Vessel Permeability. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 532-538.	5.2	7
124	Hydrogel Patch: Adhesive Hydrogel Patch with Enhanced Strength and Adhesiveness to Skin for Transdermal Drug Delivery (<i>Adv. Funct. Mater.</i> 42/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070280.	14.9	7
125	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.	6.7	6
126	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.	2.6	6

#	ARTICLE	IF	CITATIONS
127	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.	5.2	6
128	Scalable synthesis of carbon-embedded ordered macroporous titania spheres with structural colors. Korean Journal of Chemical Engineering, 2018, 35, 2138-2144.	2.7	5
129	Facile Room-Temperature Synthesis of Cerium Carbonate and Cerium Oxide Nano- and Microparticles Using 1,4-Dicarbonyldiimidazole and Imidazole in a Nonaqueous Solvent. ACS Omega, 2021, 6, 26477-26488.	3.5	5
130	Nanoparticle-based non-viral CRISPR delivery for enhanced immunotherapy. Chemical Communications, 2022, 58, 1860-1870.	4.1	5
131	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.	13.8	4
132	Iron Oxide@Polypyrrole Core-Shell Nanoparticles as the Platform for Photothermal Agent and Electrochemical Biosensor. Journal of Nanoscience and Nanotechnology, 2016, 16, 6942-6948.	0.9	4
133	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	4
134	Nanoparticle-Based Tolerogenic Vaccines for the Treatment of Autoimmune Diseases: A Review. ACS Applied Nano Materials, 0, , .	5.0	4
135	Salt-assisted synthesis of mesostructured cellular foams consisting of small primary particles with enhanced hydrothermal stability. Microporous and Mesoporous Materials, 2015, 212, 66-72.	4.4	3
136	Magnetically-Programmable Cylindrical Microparticles by Facile Reaping Method. Macromolecular Research, 2018, 26, 1108-1114.	2.4	3
137	Effective systemic siRNA delivery using dual-layer protected long-circulating nanohydrogel containing an inorganic core. Biomaterials Science, 2019, 7, 3297-3306.	5.4	3
138	Directed Assembly of Magnetic Nanoparticles into Centimeter Scale Wires for a 3D Cell Culture Platform. Chemistry of Materials, 2022, 34, 4437-4445.	6.7	3
139	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.	2.0	2
140	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, .	14.9	1
141	Cancer Immunotherapy: Mesoporous Silica as a Versatile Platform for Cancer Immunotherapy (Adv.) Tj ETQq1 1 0.784314 rgBT /Overl	21.0	1
142	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.	14.9	1
143	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.	2.7	1
144	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.	13.8	0

#	ARTICLE	IF	CITATIONS
145	Immune Cell Recruitment: Mechanically Enhanced Hierarchically Porous Scaffold Composed of Mesoporous Silica for Host Immune Cell Recruitment (Adv. Healthcare Mater. 8/2017). Advanced Healthcare Materials, 2017, 6, .	7.6	0
146	Cover Image, Volume 11, Issue 1. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1549.	6.1	0
147	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.) Tj ETQq1 1 07784314 rgBT /Ove	6.1	0