

# Ying-Jie Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4810678/publications.pdf>

Version: 2024-02-01

193  
papers

11,575  
citations

23544

58  
h-index

36008

97  
g-index

197  
all docs

197  
docs citations

197  
times ranked

11998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Binary Strengthening and Toughening of MXene/Cellulose Nanofiber Composite Paper with Nacre-Inspired Structure and Superior Electromagnetic Interference Shielding Properties. ACS Nano, 2018, 12, 4583-4593.	7.3	942
2	Microwave-Assisted Preparation of Inorganic Nanostructures in Liquid Phase. Chemical Reviews, 2014, 114, 6462-6555.	23.0	688
3	The photoluminescence, drug delivery and imaging properties of multifunctional Eu <sup>3+</sup> /Gd <sup>3+</sup> dual-doped hydroxyapatite nanorods. Biomaterials, 2011, 32, 9031-9039.	5.7	305
4	Hierarchically Nanostructured $\text{Fe}_2\text{O}_3$ Hollow Spheres: Preparation, Growth Mechanism, Photocatalytic Property, and Application in Water Treatment. Journal of Physical Chemistry C, 2008, 112, 6253-6257.	1.5	272
5	Flexible, High Wettability and Fire-Resistant Separators Based on Hydroxyapatite Nanowires for Advanced Lithium-Ion Batteries. Advanced Materials, 2017, 29, 1703548.	11.1	272
6	Monodisperse $\text{Fe}_3\text{O}_4$ and $\text{Fe}_2\text{O}_3$ Magnetic Mesoporous Microspheres as Anode Materials for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2012, 4, 4752-4757.	4.0	207
7	Nanostructured porous hollow ellipsoidal capsules of hydroxyapatite and calcium silicate: preparation and application in drug delivery. Journal of Materials Chemistry, 2008, 18, 2722.	6.7	166
8	Fire Alarm Wallpaper Based on Fire-Resistant Hydroxyapatite Nanowire Inorganic Paper and Graphene Oxide Thermosensitive Sensor. ACS Nano, 2018, 12, 3159-3171.	7.3	155
9	Highly Flexible and Nonflammable Inorganic Hydroxyapatite Paper. Chemistry - A European Journal, 2014, 20, 1242-1246.	1.7	152
10	Hydroxyapatite Hierarchically Nanostructured Porous Hollow Microspheres: Rapid, Sustainable Microwave-Hydrothermal Synthesis by Using Creatine Phosphate as an Organic Phosphorus Source and Application in Drug Delivery and Protein Adsorption. Chemistry - A European Journal, 2013, 19, 5332-5341.	1.7	151
11	pH-Responsive Drug-Delivery Systems. Chemistry - an Asian Journal, 2015, 10, 284-305.	1.7	150
12	ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles: Microwave-hydrothermal ionic liquid synthesis and photocatalytic property over phenol. Journal of Hazardous Materials, 2009, 171, 431-435.	6.5	149
13	Hierachically Nanostructured Mesoporous Spheres of Calcium Silicate Hydrate: Surfactant-Free Sonochemical Synthesis and Drug-Delivery System with Ultrahigh Drug-Loading Capacity. Advanced Materials, 2010, 22, 749-753.	11.1	142
14	Flexible Fire-Resistant Photothermal Paper Comprising Ultralong Hydroxyapatite Nanowires and Carbon Nanotubes for Solar Energy-Driven Water Purification. Small, 2018, 14, e1803387.	5.2	136
15	$\text{SiO}_2$ -Enhanced Structural Stability and Strong Adhesion with a New Binder of Konjac Glucomannan Enables Stable Cycling of Silicon Anodes for Lithium-Ion Batteries. Advanced Energy Materials, 2018, 8, 1800434.	10.2	135
16	Hydroxyapatite nanosheet-assembled porous hollow microspheres: DNA-templated hydrothermal synthesis, drug delivery and protein adsorption. Journal of Materials Chemistry, 2012, 22, 22642.	6.7	134
17	Microwave-assisted synthesis and magnetic property of magnetite and hematite nanoparticles. Journal of Nanoparticle Research, 2007, 9, 419-426.	0.8	131
18	Biomolecule-assisted green synthesis of nanostructured calcium phosphates and their biomedical applications. Chemical Society Reviews, 2019, 48, 2698-2737.	18.7	131

#	ARTICLE	IF	CITATIONS
19	Highly Stable Amorphous Calcium Phosphate Porous Nanospheres: Microwave-Assisted Rapid Synthesis Using ATP as Phosphorus Source and Stabilizer, and Their Application in Anticancer Drug Delivery. <i>Chemistry - A European Journal</i> , 2013, 19, 981-987.	1.7	125
20	Multifunctional Eu <sup>3+</sup> /Gd <sup>3+</sup> dual-doped calcium phosphate vesicle-like nanospheres for sustained drug release and imaging. <i>Biomaterials</i> , 2012, 33, 6447-6455.	5.7	122
21	Surfactant-Free Preparation and Drug Release Property of Magnetic Hollow Core/Shell Hierarchical Nanostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12149-12156.	1.5	118
22	Large-Scale Automated Production of Highly Ordered Ultralong Hydroxyapatite Nanowires and Construction of Various Fire-Resistant Flexible Ordered Architectures. <i>ACS Nano</i> , 2016, 10, 11483-11495.	7.3	114
23	Flexible hydroxyapatite ultralong nanowire-based paper for highly efficient and multifunctional air filtration. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17482-17491.	5.2	114
24	Ultrahigh-Capacity and Fire-Resistant LiFePO <sub>4</sub> -Based Composite Cathodes for Advanced Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802930.	10.2	114
25	Facile synthesis of hydroxyapatite nanoparticles, nanowires and hollow nano-structured microspheres using similar structured hard-precursors. <i>Nanoscale</i> , 2011, 3, 3052.	2.8	112
26	Bioinspired Ultralight Inorganic Aerogel for Highly Efficient Air Filtration and Oil-Water Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 13019-13027.	4.0	112
27	Highly Flexible Superhydrophobic and Fire-Resistant Layered Inorganic Paper. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34715-34724.	4.0	111
28	Monetite Formed in Mixed Solvents of Water and Ethylene Glycol and Its Transformation to Hydroxyapatite. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14226-14230.	1.2	108
29	Iron oxide hollow spheres: Microwave-hydrothermal ionic liquid preparation, formation mechanism, crystal phase and morphology control and properties. <i>Acta Materialia</i> , 2009, 57, 2154-2165.	3.8	104
30	Biomimetic hydroxyapatite porous microspheres with co-substituted essential trace elements: Surfactant-free hydrothermal synthesis, enhanced degradation and drug release. <i>Journal of Materials Chemistry</i> , 2011, 21, 16558.	6.7	102
31	Flexible Salt-Rejecting Photothermal Paper Based on Reduced Graphene Oxide and Hydroxyapatite Nanowires for High-Efficiency Solar Energy-Driven Vapor Generation and Stable Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32556-32565.	4.0	95
32	Fe <sub>3</sub> O <sub>4</sub> polyhedral nanoparticles with a high magnetization synthesized in mixed solvent ethylene glycol-water system. <i>New Journal of Chemistry</i> , 2008, 32, 1526.	1.4	86
33	Nanosheet-assembled hierarchical nanostructures of hydroxyapatite: surfactant-free microwave-hydrothermal rapid synthesis, protein/DNA adsorption and pH-controlled release. <i>CrystEngComm</i> , 2013, 15, 206-212.	1.3	86
34	Microwave-assisted hydrothermal rapid synthesis of hydroxyapatite nanowires using adenosine 5'-triphosphate disodium salt as phosphorus source. <i>Materials Letters</i> , 2012, 85, 71-73.	1.3	85
35	Self-floating aerogel composed of carbon nanotubes and ultralong hydroxyapatite nanowires for highly efficient solar energy-assisted water purification. <i>Carbon</i> , 2019, 150, 233-243.	5.4	85
36	Surfactant-free solvothermal synthesis of hydroxyapatite nanowire/nanotube ordered arrays with biomimetic structures. <i>CrystEngComm</i> , 2011, 13, 1858-1863.	1.3	84

#	ARTICLE	IF	CITATIONS
37	Microwave-Assisted Synthesis of Calcium Carbonate (Vaterite) of Various Morphologies in Water/Ethylene Glycol Mixed Solvents. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8302-8306.	1.2	83
38	Amorphous calcium phosphate, hydroxyapatite and poly(D, L-lactic acid) composite nanofibers: Electrospinning preparation, mineralization and in vivo bone defect repair. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 27-36.	2.5	79
39	Hydroxyapatite nanosheet-assembled microspheres: Hemoglobin-templated synthesis and adsorption for heavy metal ions. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 11-18.	5.0	78
40	Europium-doped amorphous calcium phosphate porous nanospheres: preparation and application as luminescent drug carriers. <i>Nanoscale Research Letters</i> , 2011, 6, 67.	3.1	77
41	Ultralong Hydroxyapatite Nanowires-Based Paper Co-Loaded with Silver Nanoparticles and Antibiotic for Long-Term Antibacterial Benefit. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 22212-22222.	4.0	74
42	Hydroxyapatite nanorods/poly(vinyl pyrrolidone) composite nanofibers, arrays and three-dimensional fabrics: Electrospun preparation and transformation to hydroxyapatite nanostructures. <i>Acta Biomaterialia</i> , 2010, 6, 3013-3020.	4.1	73
43	Microwave Hydrothermal Transformation of Amorphous Calcium Carbonate Nanospheres and Application in Protein Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 4310-4320.	4.0	72
44	A salt-resistant Janus evaporator assembled from ultralong hydroxyapatite nanowires and nickel oxide for efficient and recyclable solar desalination. <i>Nanoscale</i> , 2020, 12, 6717-6728.	2.8	72
45	Solvothermal synthesis of submillimeter ultralong hydroxyapatite nanowires using a calcium oleate precursor in a series of monohydroxy alcohols. <i>Ceramics International</i> , 2015, 41, 6098-6102.	2.3	71
46	Flower-Like Hierarchically Nanostructured Hydroxyapatite Hollow Spheres: Facile Preparation and Application in Anticancer Drug Cellular Delivery. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2477-2482.	1.7	70
47	Enhanced osteogenesis and angiogenesis by mesoporous hydroxyapatite microspheres-derived simvastatin sustained release system for superior bone regeneration. <i>Scientific Reports</i> , 2017, 7, 44129.	1.6	70
48	Comparative study of porous hydroxyapatite/chitosan and whitlockite/chitosan scaffolds for bone regeneration in calvarial defects. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2673-2687.	3.3	69
49	Luminescent, Fire-Resistant, and Water-Proof Ultralong Hydroxyapatite Nanowire-Based Paper for Multimode Anticounterfeiting Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25455-25464.	4.0	68
50	Recyclable, Fire-Resistant, Superhydrophobic, and Magnetic Paper Based on Ultralong Hydroxyapatite Nanowires for Continuous Oil/Water Separation and Oil Collection. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10140-10150.	3.2	68
51	Evaluation of zinc-doped mesoporous hydroxyapatite microspheres for the construction of a novel biomimetic scaffold optimized for bone augmentation. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2293-2306.	3.3	67
52	Hydrothermal synthesis of hydroxyapatite nanorods and nanowires using riboflavin-5-phosphate monosodium salt as a new phosphorus source and their application in protein adsorption. <i>CrystEngComm</i> , 2013, 15, 7926.	1.3	66
53	Ultrathin Calcium Silicate Hydrate Nanosheets with Large Specific Surface Areas: Synthesis, Crystallization, Layered Self-Assembly and Applications as Excellent Adsorbents for Drug, Protein, and Metal Ions. <i>Small</i> , 2013, 9, 2911-2925.	5.2	66
54	Strontium-Doped Amorphous Calcium Phosphate Porous Microspheres Synthesized through a Microwave-Hydrothermal Method Using Fructose 1,6-Bisphosphate as an Organic Phosphorus Source: Application in Drug Delivery and Enhanced Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3306-3317.	4.0	66

#	ARTICLE	IF	CITATIONS
55	Biodegradable Inorganic Nanostructured Biomaterials for Drug Delivery. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000819.	1.9	66
56	$\text{Fe}_2\text{O}_3$ hierarchically hollow microspheres self-assembled with nanosheets: surfactant-free solvothermal synthesis, magnetic and photocatalytic properties. <i>CrystEngComm</i> , 2011, 13, 5162.	1.3	61
57	Calcium phosphate/PLGA-mPEG hybrid porous nanospheres: A promising vector with ultrahigh gene loading and transfection efficiency. <i>Journal of Materials Chemistry</i> , 2010, 20, 1161-1166.	6.7	60
58	Preparation and enhanced mechanical properties of hybrid hydrogels comprising ultralong hydroxyapatite nanowires and sodium alginate. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 266-275.	5.0	60
59	Hydroxyapatite Nanowire@Magnesium Silicate Core-Shell Hierarchical Nanocomposite: Synthesis and Application in Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16435-16447.	4.0	60
60	Hierarchical Hollow Hydroxyapatite Microspheres: Microwave-Assisted Rapid Synthesis by Using Pyridoxal Phosphate as a Phosphorus Source and Application in Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1313-1320.	1.7	58
61	Tree-Inspired Ultralong Hydroxyapatite Nanowires-Based Multifunctional Aerogel with Vertically Aligned Channels for Continuous Flow Catalysis, Water Disinfection, and Solar Energy-Driven Water Purification. <i>Advanced Functional Materials</i> , 2022, 32, 2106978.	7.8	58
62	Ultralong hydroxyapatite nanowires synthesized by solvothermal treatment using a series of phosphate sodium salts. <i>Materials Letters</i> , 2015, 144, 135-137.	1.3	57
63	Hydroxylapatite nanorods: An efficient and promising carrier for gene transfection. <i>Journal of Colloid and Interface Science</i> , 2010, 345, 427-432.	5.0	56
64	Copper-doped mesoporous hydroxyapatite microspheres synthesized by a microwave-hydrothermal method using creatine phosphate as an organic phosphorus source: application in drug delivery and enhanced bone regeneration. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1039-1052.	2.9	56
65	$\text{Fe}_2\text{O}_3$ nanosheet-assembled hierarchical hollow mesoporous microspheres: Microwave-assisted solvothermal synthesis and application in photocatalysis. <i>Journal of Colloid and Interface Science</i> , 2016, 463, 107-117.	5.0	54
66	Hydroxyapatite Nanowire-Based All-Weather Flexible Electrically Conductive Paper with Superhydrophobic and Flame-Retardant Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39534-39548.	4.0	54
67	$\text{Fe}_2\text{O}_3$ and $\text{Fe}_3\text{O}_4$ magnetic hierarchically nanostructured hollow microspheres: Preparation, formation mechanism, magnetic property, and application in water treatment. <i>Journal of Colloid and Interface Science</i> , 2012, 385, 58-65.	5.0	53
68	Synthesis and antibacterial property of zinc loaded hydroxyapatite nanorods. <i>Materials Letters</i> , 2012, 89, 233-235.	1.3	53
69	Porous hollow microspheres of amorphous calcium phosphate: soybean lecithin templated microwave-assisted hydrothermal synthesis and application in drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1823-1830.	2.9	53
70	Design of a novel wound dressing consisting of alginate hydrogel and simvastatin-incorporated mesoporous hydroxyapatite microspheres for cutaneous wound healing. <i>RSC Advances</i> , 2016, 6, 104375-104387.	1.7	53
71	Highly Flexible Multifunctional Biopaper Comprising Chitosan Reinforced by Ultralong Hydroxyapatite Nanowires. <i>Chemistry - A European Journal</i> , 2017, 23, 3850-3862.	1.7	52
72	Magnetic nanocomposite of hydroxyapatite ultrathin nanosheets/ $\text{Fe}_3\text{O}_4$ nanoparticles: microwave-assisted rapid synthesis and application in pH-responsive drug release. <i>Biomaterials Science</i> , 2013, 1, 1074.	2.6	51

#	ARTICLE	IF	CITATIONS
73	Hydroxyapatite Nanowires@Metal-Organic Framework Core/Shell Nanofibers: Templated Synthesis, Peroxidase-Like Activity, and Derived Flexible Recyclable Test Paper. <i>Chemistry - A European Journal</i> , 2017, 23, 3328-3337.	1.7	51
74	Multifunctional Calcium Phosphate Nanostructured Materials and Biomedical Applications. <i>Current Nanoscience</i> , 2014, 10, 465-485.	0.7	51
75	Fructose 1,6-Bisphosphate Trisodium Salt as A New Phosphorus Source for the Rapid Microwave Synthesis of Porous Calcium Phosphate Microspheres and their Application in Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2013, 8, 88-94.	1.7	50
76	Ultralong Hydroxyapatite Nanowire-Based Filter Paper for High-Performance Water Purification. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4288-4301.	4.0	49
77	Hierarchical Assembly of Monodisperse Hydroxyapatite Nanowires and Construction of High-Strength Fire-Resistant Inorganic Paper with High-Temperature Flexibility. <i>ChemNanoMat</i> , 2017, 3, 259-268.	1.5	48
78	Calcium phosphate drug nanocarriers with ultrahigh and adjustable drug-loading capacity: One-step synthesis, in situ drug loading and prolonged drug release. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 428-434.	1.7	47
79	Multifunctional biodegradable mesoporous microspheres of Eu <sup>3+</sup> -doped amorphous calcium phosphate: microwave-assisted preparation, pH-sensitive drug release, and bioimaging application. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7132-7140.	2.9	46
80	Bioinspired Macroscopic Ribbon Fibers with a Nacre-Mimetic Architecture Based on Highly Ordered Alignment of Ultralong Hydroxyapatite Nanowires. <i>ACS Nano</i> , 2018, 12, 12284-12295.	7.3	46
81	Amorphous calcium silicate hydrate/block copolymer hybrid nanoparticles: synthesis and application as drug carriers. <i>Dalton Transactions</i> , 2013, 42, 7032.	1.6	45
82	±-Fe <sub>2</sub> O <sub>3</sub> hierarchically nanostructured mesoporous microspheres: Surfactant-free solvothermal combined with heat treatment synthesis, photocatalytic activity and magnetic property. <i>CrystEngComm</i> , 2012, 14, 2702.	1.3	44
83	Hydroxyapatite nanorod-assembled porous hollow polyhedra as drug/protein carriers. <i>Journal of Colloid and Interface Science</i> , 2017, 496, 416-424.	5.0	44
84	Highly efficient and environmentally friendly microwave-assisted hydrothermal rapid synthesis of ultralong hydroxyapatite nanowires. <i>Ceramics International</i> , 2018, 44, 12352-12356.	2.3	44
85	One-Step Synthesis of Silver Nanoparticle-Decorated Hydroxyapatite Nanowires for the Construction of Highly Flexible Free-Standing Paper with High Antibacterial Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 11224-11231.	1.7	43
86	Porous microspheres of magnesium whitlockite and amorphous calcium magnesium phosphate: microwave-assisted rapid synthesis using creatine phosphate, and application in drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7775-7786.	2.9	42
87	Customized Cellulose Fiber Paper Enabled by an <i>In Situ</i> Growth of Ultralong Hydroxyapatite Nanowires. <i>ACS Nano</i> , 2021, 15, 5355-5365.	7.3	42
88	Synthesis and Characterization of Magnetic Iron Oxide/Calcium Silicate Mesoporous Nanocomposites as a Promising Vehicle for Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6969-6974.	4.0	41
89	ATP-Stabilized Amorphous Calcium Carbonate Nanospheres and Their Application in Protein Adsorption. <i>Small</i> , 2014, 10, 2047-2056.	5.2	41
90	Ultralong Hydroxyapatite Nanowire/Collagen Biopaper with High Flexibility, Improved Mechanical Properties and Excellent Cellular Attachment. <i>Chemistry - an Asian Journal</i> , 2017, 12, 655-664.	1.7	41



#	ARTICLE	IF	CITATIONS
91	Biocompatible, Ultralight, Strong Hydroxyapatite Networks Based on Hydroxyapatite Microtubes with Excellent Permeability and Ultralow Thermal Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 7918-7928.	4.0	41
92	Ultralong hydroxyapatite nanowire-based layered catalytic paper for highly efficient continuous flow reactions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5762-5773.	5.2	41
93	Superhydrophobic Photothermal Paper Based on Ultralong Hydroxyapatite Nanowires for Controllable Light-Driven Self-Propelled Motion. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13226-13235.	3.2	41
94	Porous microspheres of amorphous calcium phosphate: Block copolymer templated microwave-assisted hydrothermal synthesis and application in drug delivery. <i>Journal of Colloid and Interface Science</i> , 2015, 443, 72-79.	5.0	40
95	Sonochemical synthesis of hydroxyapatite nanoflowers using creatine phosphate disodium salt as an organic phosphorus source and their application in protein adsorption. <i>RSC Advances</i> , 2016, 6, 9686-9692.	1.7	40
96	Solvothermal synthesis of oriented hydroxyapatite nanorod/nanosheet arrays using creatine phosphate as phosphorus source. <i>CrystEngComm</i> , 2013, 15, 4527.	1.3	39
97	Preparation and Sustained-Release Property of Triblock Copolymer/Calcium Phosphate Nanocomposite as Nanocarrier for Hydrophobic Drug. <i>Nanoscale Research Letters</i> , 2010, 5, 781-785.	3.1	38
98	Vesicle-like nanospheres of amorphous calcium phosphate: sonochemical synthesis using the adenosine 5'-triphosphate disodium salt and their application in pH-responsive drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7347-7354.	2.9	38
99	Light-Operated Dual-Mode Propulsion at the Liquid/Air Interface Using Flexible, Superhydrophobic, and Thermally Stable Photothermal Paper. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 1339-1347.	4.0	38
100	Porous nanocomposites of PEG-PLA/calcium phosphate: room-temperature synthesis and its application in drug delivery. <i>Dalton Transactions</i> , 2010, 39, 4435.	1.6	37
101	Solvothermal synthesis of hydroxyapatite nanostructures with various morphologies using adenosine 5'-monophosphate sodium salt as an organic phosphorus source. <i>RSC Advances</i> , 2015, 5, 3792-3798.	1.7	37
102	A novel composite scaffold comprising ultralong hydroxyapatite microtubes and chitosan: preparation and application in drug delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3898-3906.	2.9	36
103	Fire-Resistant Inorganic Analogous Xuan Paper with Thousands of Years' Super-Durability. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17239-17251.	3.2	36
104	Hydroxyapatite nanowire/collagen elastic porous nanocomposite and its enhanced performance in bone defect repair. <i>RSC Advances</i> , 2018, 8, 26218-26229.	1.7	36
105	Microwave-assisted hydrothermal preparation using adenosine 5'-triphosphate disodium salt as a phosphate source and characterization of zinc-doped amorphous calcium phosphate mesoporous microspheres. <i>Microporous and Mesoporous Materials</i> , 2013, 180, 79-85.	2.2	35
106	Porous Nanocomposite Comprising Ultralong Hydroxyapatite Nanowires Decorated with Zinc-Containing Nanoparticles and Chitosan: Synthesis and Application in Bone Defect Repair. <i>Chemistry - A European Journal</i> , 2018, 24, 8809-8821.	1.7	35
107	Calcium Phosphate Hybrid Nanoparticles: Self-Assembly Formation, Characterization, and Application as an Anticancer Drug Nanocarrier. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1306-1312.	1.7	34
108	A New Kind of Fireproof, Flexible, Inorganic, Nanocomposite Paper and Its Application to the Protection Layer in Flame-Retardant Fiber-Optic Cables. <i>Chemistry - A European Journal</i> , 2017, 23, 4597-4604.	1.7	34

#	ARTICLE	IF	CITATIONS
109	Thermally Durable Lithium-Ion Capacitors with High Energy Density from All Hydroxyapatite Nanowire-Enabled Fire-Resistant Electrodes and Separators. <i>Advanced Energy Materials</i> , 2019, 9, 1902497.	10.2	34
110	Preparation and photocatalytic property of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> hollow core/shell hierarchical nanostructures. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1680-1683.	1.9	33
111	Highly porous and elastic aerogel based on ultralong hydroxyapatite nanowires for high-performance bone regeneration and neovascularization. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1277-1287.	2.9	33
112	Hydroxyapatite nanorod-assembled hierarchical microflowers: rapid synthesis via microwave hydrothermal transformation of CaHPO <sub>4</sub> and their application in protein/drug delivery. <i>Ceramics International</i> , 2017, 43, 6511-6518.	2.3	32
113	High surface area carbonate apatite nanorod bundles: Surfactant-free sonochemical synthesis and drug loading and release properties. <i>Materials Research Bulletin</i> , 2013, 48, 1536-1540.	2.7	31
114	Solvothermal Transformation of a Calcium Oleate Precursor into Large-Sized Highly Ordered Arrays of Ultralong Hydroxyapatite Microtubes. <i>Chemistry - A European Journal</i> , 2014, 20, 7116-7121.	1.7	30
115	Nanofiltration Filter Paper Based on Ultralong Hydroxyapatite Nanowires and Cellulose Fibers/Nanofibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17198-17209.	3.2	30
116	Synthesis and application in drug delivery of hollow-core-double-shell magnetic iron oxide/silica/calcium silicate nanocomposites. <i>Materials Letters</i> , 2013, 104, 53-56.	1.3	29
117	Microwave-assisted hydrothermal rapid synthesis of amorphous calcium phosphate nanoparticles and hydroxyapatite microspheres using cytidine 5'-triphosphate disodium salt as a phosphate source. <i>Materials Letters</i> , 2014, 124, 208-211.	1.3	29
118	Templated solvothermal synthesis of magnesium silicate hollow nanospheres with ultrahigh specific surface area and their application in high-performance protein adsorption and drug delivery. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3257-3268.	2.9	29
119	Deformable Biomaterials Based on Ultralong Hydroxyapatite Nanowires. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4951-4961.	2.6	29
120	Solvothermal preparation of hydroxyapatite microtubes in water/N,N-dimethylformamide mixed solvents. <i>Materials Letters</i> , 2008, 62, 1642-1645.	1.3	28
121	Drug-nanocarrier interaction-tracking the local structure of calcium silicate upon ibuprofen loading with X-ray absorption near edge structure (XANES). <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15033.	1.3	27
122	Yolk-Shell Porous Microspheres of Calcium Phosphate Prepared by Using Calcium Lactate and Adenosine 5'-triphosphate Disodium Salt: Application in Protein/Drug Delivery. <i>Chemistry - A European Journal</i> , 2015, 21, 9868-9876.	1.7	27
123	DNA-templated microwave-hydrothermal synthesis of nanostructured hydroxyapatite for storing and sustained release of an antibacterial protein. <i>Dalton Transactions</i> , 2016, 45, 1648-1656.	1.6	27
124	Calcium silicate-based drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 215-228.	2.4	27
125	Ultralong hydroxyapatite nanowires/collagen scaffolds with hierarchical porous structure, enhanced mechanical properties and excellent cellular attachment. <i>Ceramics International</i> , 2017, 43, 15747-15754.	2.3	26
126	Selenium-doped hydroxyapatite biopapers with an anti-bone tumor effect by inducing apoptosis. <i>Biomaterials Science</i> , 2019, 7, 5044-5053.	2.6	26



#	ARTICLE	IF	CITATIONS
127	Microwave-Assisted Synthesis of Magnetite Nanosheets in Mixed Solvents of Ethylene Glycol and Water.. <i>Current Nanoscience</i> , 2007, 3, 171-176.	0.7	24
128	Sodium polyacrylate modified Fe <sub>3</sub> O <sub>4</sub> magnetic microspheres formed by self-assembly of nanocrystals and their applications. <i>Materials Research Bulletin</i> , 2013, 48, 895-900.	2.7	24
129	Dopamine-modified highly porous hydroxyapatite microtube networks with efficient near-infrared photothermal effect, enhanced protein adsorption and mineralization performance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 337-348.	2.5	24
130	Flexible nanocomposite paper with superior fire retardance, mechanical properties and electrical insulation by engineering ultralong hydroxyapatite nanowires and aramid nanofibers. <i>Chemical Engineering Journal</i> , 2022, 444, 136470.	6.6	24
131	Calcium Phosphate Nanocarriers Dual-Loaded with Bovine Serum Albumin and Ibuprofen: Facile Synthesis, Sequential Drug Loading and Sustained Drug Release. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1610-1615.	1.7	23
132	Core-Shell Hollow Microspheres of Magnetic Iron Oxide@Amorphous Calcium Phosphate: Synthesis Using Adenosine 5'-Triphosphate and Application in pH-Responsive Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2908-2914.	1.7	23
133	Multifunctional biodegradable terbium-doped calcium phosphate nanoparticles: facile preparation, pH-sensitive drug release and in vitro bioimaging. <i>RSC Advances</i> , 2014, 4, 53122-53129.	1.7	23
134	Microwave-Assisted Hydrothermal Rapid Synthesis of Amorphous Calcium Phosphate Mesoporous Microspheres Using Adenosine 5'-Diphosphate and Application in pH-Responsive Drug Delivery. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2503-2511.	1.7	23
135	Amorphous calcium phosphate nanowires prepared using beta-glycerophosphate disodium salt as an organic phosphate source by a microwave-assisted hydrothermal method and adsorption of heavy metals in water treatment. <i>RSC Advances</i> , 2015, 5, 40154-40162.	1.7	23
136	Ultralong hydroxyapatite microtubes: solvothermal synthesis and application in drug loading and sustained drug release. <i>CrystEngComm</i> , 2017, 19, 1965-1973.	1.3	23
137	Solvothermal synthesis, characterization and magnetic properties of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> flower-like hollow microspheres. <i>Journal of Solid State Chemistry</i> , 2013, 199, 204-211.	1.4	22
138	Amorphous magnesium phosphate flower-like hierarchical nanostructures: microwave-assisted rapid synthesis using fructose 1,6-bisphosphate trisodium salt as an organic phosphorus source and application in protein adsorption. <i>RSC Advances</i> , 2015, 5, 14906-14915.	1.7	22
139	Calcium phosphate/block copolymer hybrid porous nanospheres: Preparation and application in drug delivery. <i>Materials Letters</i> , 2010, 64, 2299-2301.	1.3	21
140	Synthesis, characterization and applications of calcium carbonate/fructose 1,6-bisphosphate composite nanospheres and carbonated hydroxyapatite porous nanospheres. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8378-8389.	2.9	21
141	Hydrothermal synthesis of hydroxyapatite nanorods using pyridoxal-5'-phosphate as a phosphorus source. <i>Materials Research Bulletin</i> , 2014, 55, 67-70.	2.7	21
142	Magnesium whitlockite hollow microspheres: a comparison of microwave-hydrothermal and conventional hydrothermal syntheses using fructose 1,6-bisphosphate, and application in protein adsorption. <i>RSC Advances</i> , 2016, 6, 33393-33402.	1.7	21
143	One-dimensional hydroxyapatite materials: preparation and applications. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1091-1102.	0.6	21
144	Enzymatic Reaction Generates Biomimic Nanominerals with Superior Bioactivity. <i>Small</i> , 2018, 14, e1804321.	5.2	21

#	ARTICLE	IF	CITATIONS
145	A new kind of filter paper comprising ultralong hydroxyapatite nanowires and double metal oxide nanosheets for high-performance dye separation. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 78-87.	5.0	21
146	Nanowires: Synthesis and Energy/Environmental Applications. <i>Energy and Environmental Materials</i> , 2021, 4, 544-561.	7.3	21
147	Bioinspired flexible, high-strength, and versatile hydrogel with the fiberboard-and-mortar hierarchically ordered structure. <i>Nano Research</i> , 2021, 14, 3643-3652.	5.8	21
148	Microwave-assisted rapid synthesis of magnesium phosphate hydrate nanosheets and their application in drug delivery and protein adsorption. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8576-8586.	2.9	20
149	Magnesium phosphate pentahydrate nanosheets: Microwave-hydrothermal rapid synthesis using creatine phosphate as an organic phosphorus source and application in protein adsorption. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 297-306.	5.0	20
150	Multifunctional Fire-Resistant Paper Based on Ultralong Hydroxyapatite Nanowires. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2296-2314.	2.6	20
151	Flexible photothermal biopaper comprising Cu <sup>2+</sup> -doped ultralong hydroxyapatite nanowires and black phosphorus nanosheets for accelerated healing of infected wound. <i>Chemical Engineering Journal</i> , 2022, 437, 135347.	6.6	20
152	Biodegradable nanocomposite of glycerol citrate polyester and ultralong hydroxyapatite nanowires with improved mechanical properties and low acidity. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 9-15.	5.0	19
153	Portable and writable photoluminescent chalk for on-site information protection on arbitrary substrates. <i>Chemical Engineering Journal</i> , 2019, 369, 766-774.	6.6	19
154	Dental enamel-mimetic large-sized multi-scale ordered architecture built by a well controlled bottom-up strategy. <i>Chemical Engineering Journal</i> , 2019, 360, 1633-1645.	6.6	19
155	Low-Cost and Scaled-Up Production of Fluorine-Free, Substrate-Independent, Large-Area Superhydrophobic Coatings Based on Hydroxyapatite Nanowire Bundles. <i>Chemistry - A European Journal</i> , 2018, 24, 416-424.	1.7	18
156	Bioinspired fiberboard-and-mortar structural nanocomposite based on ultralong hydroxyapatite nanowires with high mechanical performance. <i>Chemical Engineering Journal</i> , 2020, 399, 125666.	6.6	18
157	Graphene oxide/polyethyleneimine/hydroxyapatite nanowire composite paper: Unexpected mechanical robustness after fire attacking and fire alarm application. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 160, 107061.	3.8	18
158	Hydrothermal synthesis of nanorod-assembled porous microspheres of hydroxyapatite/casein using ATP as a phosphorus source and casein sodium salt as a template. <i>Materials Letters</i> , 2015, 160, 242-245.	1.3	15
159	The potential of calcium silicate hydrate as a carrier of ibuprofen. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1337-1342.	2.4	13
160	Superparamagnetic yolk-shell porous nanospheres of iron oxide@magnesium silicate: synthesis and application in high-performance anticancer drug delivery. <i>RSC Advances</i> , 2016, 6, 103399-103411.	1.7	13
161	Inorganic Nanowires-Assembled Layered Paper as the Valve for Controlling Water Transportation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11045-11053.	4.0	13
162	Fire-Retardant and High-Temperature-Resistant Label Paper and Its Potential Applications. <i>ChemNanoMat</i> , 2019, 5, 1418-1427.	1.5	13

#	ARTICLE	IF	CITATIONS
163	Liquid-Phase Synthesis of Iron Oxide Nanostructured Materials and Their Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 9180-9205.	1.7	13
164	Microwave-assisted rapid synthesis of magnesium phosphate hierarchical structures using adenosine 5'-triphosphate disodium salt as a phosphorus source. <i>Materials Letters</i> , 2015, 140, 79-82.	1.3	12
165	Fire-Retardant Paper with Ultrahigh Smoothness and Glossiness. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17500-17507.	3.2	12
166	Imaging of drug loading distributions in individual microspheres of calcium silicate hydrate "an X-ray spectromicroscopy study. <i>Nanoscale</i> , 2015, 7, 6767-6773.	2.8	11
167	Solvothermal synthesis of hydroxyapatite with various morphologies using trimethyl phosphate as organic phosphorus source. <i>Materials Letters</i> , 2017, 193, 165-168.	1.3	11
168	Secret Paper with Vinegar as an Invisible Security Ink and Fire as a Decryption Key for Information Protection. <i>Chemistry - A European Journal</i> , 2019, 25, 10918-10925.	1.7	11
169	Upcycling of heavy metal adsorbents into sulfide semiconductors for photocatalytic CO <sub>2</sub> reduction. <i>Applied Surface Science</i> , 2021, 558, 149647.	3.1	11
170	Nanostructured Calcium-based Biomaterials and their Application in Drug Delivery. <i>Current Medicinal Chemistry</i> , 2020, 27, 5189-5212.	1.2	11
171	Porous Microspheres of Casein/Amorphous Calcium Phosphate Nanocomposite: Room Temperature Synthesis and Application in Drug Delivery. <i>Current Nanoscience</i> , 2015, 12, 70-78.	0.7	10
172	Tracking Drug Loading Capacities of Calcium Silicate Hydrate Carrier: A Comparative X-ray Absorption Near Edge Structures Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10052-10059.	1.2	10
173	An amorphous calcium phosphate nanocomposite for storing and sustained release of IgY protein with antibacterial activity. <i>RSC Advances</i> , 2015, 5, 100682-100688.	1.7	10
174	Nanostructured Materials of Calcium Phosphates and Calcium Silicates: Synthesis, Properties and Applications. <i>Chinese Journal of Chemistry</i> , 2017, 35, 769-790.	2.6	10
175	Antibacterial gluey silver-calcium phosphate composites for dentine remineralization. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4985-4994.	2.9	10
176	Amorphous calcium phosphate nanoparticles using adenosine triphosphate as an organic phosphorus source for promoting tendon-bone healing. <i>Journal of Nanobiotechnology</i> , 2021, 19, 270.	4.2	10
177	Highly porous ceramics based on ultralong hydroxyapatite nanowires. <i>RSC Advances</i> , 2016, 6, 102003-102009.	1.7	9
178	Ultrasound-assisted synthesis of nanocrystallized silicocarnotite biomaterial with improved sinterability and osteogenic activity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3092-3103.	2.9	9
179	Tracking the transformations of mesoporous microspheres of calcium silicate hydrate at the nanoscale upon ibuprofen release: a XANES and STXM study. <i>CrystEngComm</i> , 2015, 17, 4117-4124.	1.3	8
180	Novel interconnected nanochannel hydroxyapatite ceramics: synthesis, microstructure, and permeability. <i>Ceramics International</i> , 2017, 43, 5403-5411.	2.3	7

#	ARTICLE	IF	CITATIONS
181	In vivo behaviors of highly flexible paper consisting of ultralong hydroxyapatite nanowires. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 1611-1621.	1.6	7
182	Multifunctional Photocatalytic Filter Paper Based on Ultralong Nanowires of the Calcium-Alendronate Complex for High-Performance Water Purification. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 9464-9479.	4.0	7
183	A new kind of nanocomposite Xuan paper comprising ultralong hydroxyapatite nanowires and cellulose fibers with a unique ink wetting performance. <i>RSC Advances</i> , 2019, 9, 40750-40757.	1.7	6
184	Tracking the interaction of drug molecules with individual mesoporous amorphous calcium phosphate/ATP nanocomposites – an X-ray spectromicroscopy study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13108-13117.	1.3	5
185	Biopaper Based on Ultralong Hydroxyapatite Nanowires and Cellulose Fibers Promotes Skin Wound Healing by Inducing Angiogenesis. <i>Coatings</i> , 2022, 12, 479.	1.2	5
186	Solvothermal Growth of Ultralong Hydroxyapatite Nanowire Coating on Glass Substrate. <i>Chemistry Letters</i> , 2019, 48, 1462-1464.	0.7	4
187	A scalable, low-cost and green strategy for the synthesis of ultralong hydroxyapatite nanowires using peanut oil. <i>CrystEngComm</i> , 2022, 24, 3208-3216.	1.3	3
188	Effects of polymer intercalation in calcium silicate hydrates on drug loading capacities and drug release kinetics: an X-ray absorption near edge structure study. <i>Canadian Journal of Chemistry</i> , 2017, 95, 1122-1129.	0.6	2
189	Behavior of 4 types of paper with printed QR codes for evaluating denture marking in conditions of extreme heat. <i>Journal of Prosthetic Dentistry</i> , 2020, , .	1.1	2
190	Acid/Alkali-Proof Fire-Resistant Inorganic Paper Comprising Fibers Assembled from Barium Sulfate Nanorods. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 492-499.	1.0	2
191	Microwave synthesis of nanomaterials. , 2023, , 48-63.		1
192	Highly Flexible Multifunctional Biopaper Comprising Chitosan Reinforced by Ultralong Hydroxyapatite Nanowires. <i>Chemistry - A European Journal</i> , 2017, 23, 3796-3796.	1.7	0
193	Frontispiece: Liquid-Phase Synthesis of Iron Oxide Nanostructured Materials and Their Applications. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0