

Zhi Ping Xu

List of Publications by Year in descending order

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292
papers

17,891
citations

12303

69
h-index

20307

116
g-index

297
all docs

297
docs citations

297
times ranked

18087
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic nanoparticles as carriers for efficient cellular delivery. <i>Chemical Engineering Science</i> , 2006, 61, 1027-1040.	1.9	841
2	Clay nanosheets for topical delivery of RNAi for sustained protection against plant viruses. <i>Nature Plants</i> , 2017, 3, 16207.	4.7	641
3	Stable Suspension of Layered Double Hydroxide Nanoparticles in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 36-37.	6.6	385
4	Catalytic applications of layered double hydroxides and derivatives. <i>Applied Clay Science</i> , 2011, 53, 139-150.	2.6	347
5	Hydrothermal Synthesis of Layered Double Hydroxides (LDHs) from Mixed MgO and Al ₂ O ₃ : A LDH Formation Mechanism. <i>Chemistry of Materials</i> , 2005, 17, 1055-1062.	3.2	338
6	Hierarchical layered double hydroxide nanocomposites: structure, synthesis and applications. <i>Chemical Communications</i> , 2015, 51, 3024-3036.	2.2	322
7	Abrupt Structural Transformation in Hydrotalcite-like Compounds Mg _{1-x} Al _x (OH) ₂ (NO ₃) _x ·nH ₂ O as a Continuous Function of Nitrate Anions. <i>Journal of Physical Chemistry B</i> , 2001, 105, 1743-1749.	1.2	293
8	Dispersion and Size Control of Layered Double Hydroxide Nanoparticles in Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16923-16929.	1.2	281
9	PD-L1 Distribution and Perspective for Cancer Immunotherapy—Blockade, Knockdown, or Inhibition. <i>Frontiers in Immunology</i> , 2019, 10, 2022.	2.2	270
10	Layered Double Hydroxides for CO ₂ Capture: Structure Evolution and Regeneration. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7504-7509.	1.8	264
11	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2014, 35, 3331-3339.	5.7	263
12	Layered double hydroxide nanoparticles in gene and drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 907-922.	2.4	255
13	Subcellular compartment targeting of layered double hydroxide nanoparticles. <i>Journal of Controlled Release</i> , 2008, 130, 86-94.	4.8	249
14	<i>In Vitro</i> Sustained Release of LMWH from MgAl-layered Double Hydroxide Nanohybrids. <i>Chemistry of Materials</i> , 2008, 20, 3715-3722.	3.2	247
15	Interconversion of Brucite-like and Hydrotalcite-like Phases in Cobalt Hydroxide Compounds. <i>Chemistry of Materials</i> , 1999, 11, 67-74.	3.2	227
16	Manipulating extracellular tumour pH: an effective target for cancer therapy. <i>RSC Advances</i> , 2018, 8, 22182-22192.	1.7	219
17	Recent progress in upconversion luminescence nanomaterials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 192-209.	2.9	192
18	Manganese-Based Layered Double Hydroxide Nanoparticles as a T ₁ -MRI Contrast Agent with Ultrasensitive pH Response and High Relaxivity. <i>Advanced Materials</i> , 2017, 29, 1700373.	11.1	190

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19	Theoretical and experimental analysis of droplet evaporation on solid surfaces. <i>Chemical Engineering Science</i> , 2012, 69, 522-529.	1.9	178
20	Efficient siRNA delivery to mammalian cells using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2010, 31, 1821-1829.	5.7	168
21	Thermal evolution of cobalt hydroxides: a comparative study of their various structural phases. <i>Journal of Materials Chemistry</i> , 1998, 8, 2499-2506.	6.7	149
22	High affinity of dodecylbenzene sulfonate for layered double hydroxide and resulting morphological changes. <i>Journal of Materials Chemistry</i> , 2003, 13, 268-273.	6.7	148
23	MgCoAl-LDH derived heterogeneous catalysts for the ethanol transesterification of canola oil to biodiesel. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 42-49.	10.8	146
24	Efficient delivery of siRNA to cortical neurons using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2010, 31, 8770-8779.	5.7	139
25	Influence of Water on High-Temperature CO ₂ Capture Using Layered Double Hydroxide Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 2630-2635.	1.8	138
26	Removal efficiency of arsenate and phosphate from aqueous solution using layered double hydroxide materials: intercalation vs. precipitation. <i>Journal of Materials Chemistry</i> , 2010, 20, 4684.	6.7	138
27	Recent advances in the development of responsive probes for selective detection of cysteine. <i>Coordination Chemistry Reviews</i> , 2020, 408, 213182.	9.5	137
28	“Dual-Key-and-Lock” Ruthenium Complex Probe for Lysosomal Formaldehyde in Cancer Cells and Tumors. <i>Journal of the American Chemical Society</i> , 2019, 141, 8462-8472.	6.6	135
29	Adsorption/Desorption Studies of NO _x on Well-Mixed Oxides Derived from Co ²⁺ /Mg/Al Hydrotalcite-like Compounds. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4291-4300.	1.2	131
30	Surface charging of layered double hydroxides during dynamic interactions of anions at the interfaces. <i>Journal of Colloid and Interface Science</i> , 2008, 326, 522-529.	5.0	128
31	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. <i>Journal of Materials Chemistry B</i> , 2015, 3, 939-958.	2.9	126
32	Layered double hydroxide nanomaterials as potential cellular drug delivery agents. <i>Pure and Applied Chemistry</i> , 2006, 78, 1771-1779.	0.9	124
33	High-Temperature Adsorption of Carbon Dioxide on Mixed Oxides Derived from Hydrotalcite-Like Compounds. <i>Environmental Science & Technology</i> , 2008, 42, 614-618.	4.6	124
34	Decomposition Pathways of Hydrotalcite-like Compounds Mg _{1-x} Al _x (OH) ₂ (NO ₃) _x ·nH ₂ O as a Continuous Function of Nitrate Anions. <i>Chemistry of Materials</i> , 2001, 13, 4564-4572.	3.2	118
35	Low-Temperature Synthesis of Mg _x Co _{1-x} Co ₂ O ₄ Spinel Catalysts for N ₂ O Decomposition. <i>Chemistry of Materials</i> , 2000, 12, 650-658.	3.2	117
36	Induction of virus resistance by exogenous application of double-stranded RNA. <i>Current Opinion in Virology</i> , 2017, 26, 49-55.	2.6	112

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37	Pre-coating layered double hydroxide nanoparticles with albumin to improve colloidal stability and cellular uptake. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3331-3339.	2.9	109
38	Novel Nafion composite membranes with mesoporous silica nanospheres as inorganic fillers. <i>Journal of Power Sources</i> , 2008, 185, 664-669.	4.0	106
39	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2793-2818.	2.9	104
40	Controlled preparation of layered double hydroxide nanoparticles and their application as gene delivery vehicles. <i>Applied Clay Science</i> , 2010, 48, 280-289.	2.6	103
41	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 6930-6936.	1.8	101
42	Comprehensive investigation of Pd/ZSM-5/MCM-48 composite catalysts with enhanced activity and stability for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 466-475.	10.8	100
43	Nanoparticle-Based Nanomedicines to Promote Cancer Immunotherapy: Recent Advances and Future Directions. <i>Small</i> , 2019, 15, e1900262.	5.2	100
44	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , 2020, 4, 1900343.	4.6	100
45	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , 2016, 10, 387-395.	7.3	95
46	Potential for Layered Double Hydroxides-Based, Innovative Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7409-7428.	1.8	94
47	Effective adsorption of sodium dodecylsulfate (SDS) by hydrocalumite (CaAl-LDH-Cl) induced by self-dissolution and re-precipitation mechanism. <i>Journal of Colloid and Interface Science</i> , 2012, 367, 264-271.	5.0	93
48	Novel theranostic nanoplatform for complete mice tumor elimination via MR imaging-guided acid-enhanced photothermo-/chemo-therapy. <i>Biomaterials</i> , 2018, 177, 40-51.	5.7	92
49	A review on fabricating heterostructures from layered double hydroxides for enhanced photocatalytic activities. <i>Catalysis Science and Technology</i> , 2018, 8, 1207-1228.	2.1	89
50	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. <i>International Journal of Nanomedicine</i> , 2007, 2, 163-74.	3.3	88
51	Engineering a Therapy-Induced Antitumor Immunogenic Cancer Cell Death Amplifier to Boost Systemic Tumor Elimination. <i>Advanced Functional Materials</i> , 2020, 30, 1909745.	7.8	87
52	Efficient co-delivery of neo-epitopes using dispersion-stable layered double hydroxide nanoparticles for enhanced melanoma immunotherapy. <i>Biomaterials</i> , 2018, 174, 54-66.	5.7	86
53	Decomposition Processes of Organic-Anion-Pillared Clays Co ₂ Mg ₂ Al(OH) ₈ (TA) ₂ ·nH ₂ O. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10206-10214.	1.2	84
54	Increased PD-L1 expression in breast and colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 602-604.	0.9	84

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55	Synthesis, structure and morphology of organic layered double hydroxide (LDH) hybrids: Comparison between aliphatic anions and their oxygenated analogs. <i>Applied Clay Science</i> , 2010, 48, 235-242.	2.6	83
56	Effective removal and fixation of Cr(VI) from aqueous solution with Friedel's salt. <i>Journal of Hazardous Materials</i> , 2009, 170, 1086-1092.	6.5	81
57	Reinvestigation of Dehydration and Dehydroxylation of Hydrotalcite-like Compounds through Combined TG-DTA-MS Analyses. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10768-10774.	1.5	81
58	Responsive small-molecule luminescence probes for sulfite/bisulfite detection in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116199.	5.8	81
59	Control of Surface Area and Porosity of Co ₃ O ₄ via Intercalation of Oxidative or Nonoxidative Anions in Hydrotalcite-like Precursors. <i>Chemistry of Materials</i> , 2000, 12, 3459-3465.	3.2	79
60	Polarized immune responses modulated by layered double hydroxides nanoparticle conjugated with CpG. <i>Biomaterials</i> , 2014, 35, 9508-9516.	5.7	79
61	Amine-functionalized SiO ₂ nanodot-coated layered double hydroxide nanocomposites for enhanced gene delivery. <i>Nano Research</i> , 2015, 8, 682-694.	5.8	79
62	Control Preparation of Zinc Hydroxide Nitrate Nanocrystals and Examination of the Chemical and Structural Stability. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10325-10332.	1.5	77
63	Preparation of optimized lipid-coated calcium phosphate nanoparticles for enhanced in vitro gene delivery to breast cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6805-6812.	2.9	77
64	Enhancement of Relaxivity Rates of Gd ³⁺ -DTPA Complexes by Intercalation into Layered Double Hydroxide Nanoparticles. <i>Chemistry - A European Journal</i> , 2007, 13, 2824-2830.	1.7	76
65	<sc>PI</sc>3K/Akt/<sc>mTOR</sc> pathway dual inhibitor <sc>BEZ</sc>235 suppresses the stemness of colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 1317-1326.	0.9	76
66	Synthesis of well-dispersed layered double hydroxide core@ordered mesoporous silica shell nanostructure (LDH@mSiO ₂) and its application in drug delivery. <i>Nanoscale</i> , 2011, 3, 4069.	2.8	74
67	Enhanced removal of triphosphate by MgCaFe-Cl-LDH: Synergism of precipitation with intercalation and surface uptake. <i>Journal of Hazardous Materials</i> , 2011, 189, 586-594.	6.5	74
68	Mechanism of enhanced nitrate reduction via micro-electrolysis at the powdered zero-valent iron/activated carbon interface. <i>Journal of Colloid and Interface Science</i> , 2014, 435, 21-25.	5.0	74
69	Sustained Release of Brimonidine from a New Composite Drug Delivery System for Treatment of Glaucoma. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7990-7999.	4.0	74
70	A novel color removal adsorbent from heterocoagulation of cationic and anionic clays. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 191-199.	5.0	73
71	Inhibitory effect of high-strength ammonia nitrogen on bio-treatment of landfill leachate using EGSB reactor under mesophilic and atmospheric conditions. <i>Bioresource Technology</i> , 2012, 113, 239-243.	4.8	72
72	Studies on adsorption of phenol and 4-nitrophenol on MgAl-mixed oxide derived from MgAl-layered double hydroxide. <i>Separation and Purification Technology</i> , 2009, 67, 194-200.	3.9	71

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73	Effective removal of pyrophosphate by Ca-Fe-LDH and its mechanism. <i>Chemical Engineering Journal</i> , 2012, 179, 72-79.	6.6	71
74	The effect of Zn, Al layered double hydroxide on thermal decomposition of poly(vinyl chloride). <i>Polymer Degradation and Stability</i> , 2006, 91, 3237-3244.	2.7	69
75	Enhanced effects of low molecular weight heparin intercalated with layered double hydroxide nanoparticles on rat vascular smooth muscle cells. <i>Biomaterials</i> , 2010, 31, 5455-5462.	5.7	69
76	Selective oxidation of biorenewable glycerol with molecular oxygen over Cu-containing layered double hydroxide-based catalysts. <i>Catalysis Science and Technology</i> , 2011, 1, 111.	2.1	69
77	Reduction in the size of layered double hydroxide nanoparticles enhances the efficiency of siRNA delivery. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 275-281.	5.0	69
78	Effective removal of selenate from aqueous solutions by the Friedel phase. <i>Journal of Hazardous Materials</i> , 2010, 176, 193-198.	6.5	68
79	Novel iron oxide-cerium oxide core-shell nanoparticles as a potential theranostic material for ROS related inflammatory diseases. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4937-4951.	2.9	67
80	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2008, 344, 131-141.	2.2	66
81	Efficient drug delivery using SiO ₂ -layered double hydroxide nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2016, 470, 47-55.	5.0	66
82	Foliar application of clay-delivered RNA interference for whitefly control. <i>Nature Plants</i> , 2022, 8, 535-548.	4.7	65
83	Unusual Hydrocarbon Chain Packing Mode and Modification of Crystallite Growth Habit in the		

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91	Solubility product (K _{sp})-controlled removal of chromate and phosphate by hydrocalumite. <i>Chemical Engineering Journal</i> , 2012, 181-182, 251-258.	6.6	60
92	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. <i>Advanced Materials</i> , 2021, 33, e2008094.	11.1	60
93	Penetration of Nanoparticles into Human Skin. <i>Current Pharmaceutical Design</i> , 2013, 19, 6353-6366.	0.9	59
94	Responsive Upconversion Nanoprobe for Background-free Hypochlorous Acid Detection and Bioimaging. <i>Small</i> , 2019, 15, e1803712.	5.2	59
95	Quantum Dot-Based Nanoprobes for In Vivo Targeted Imaging. <i>Current Molecular Medicine</i> , 2013, 13, 1549-1567.	0.6	59
96	Synthesis of Robust Sandwich-Like SiO ₂ @CdTe@SiO ₂ Fluorescent Nanoparticles for Cellular Imaging. <i>Chemistry of Materials</i> , 2012, 24, 421-423.	3.2	57
97	Efficiency of layered double hydroxide nanoparticle-mediated delivery of siRNA is determined by nucleotide sequence. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 453-459.	5.0	57
98	Efficient and Durable Vaccine against Intimin ² of Diarrheagenic <i>E. Coli</i> Induced by Clay Nanoparticles. <i>Small</i> , 2016, 12, 1627-1639.	5.2	57
99	Synthesis of nanorattles with layered double hydroxide core and mesoporous silica shell as delivery vehicles. <i>Journal of Materials Chemistry</i> , 2011, 21, 10641.	6.7	56
100	Turn-On Fluorescence Probe for Nitric Oxide Detection and Bioimaging in Live Cells and Zebrafish. <i>ACS Sensors</i> , 2019, 4, 309-316.	4.0	56
101	Synthesis of Non-Al-Containing Hydrotalcite-like Compound Mg _{0.3} Co _{1.0} Co _{1.0} 0.2(OH) ₂ (NO ₃) _{0.2} ·H ₂ O. <i>Chemistry of Materials</i> , 1998, 10, 2277-2283.	3.2	55
102	MnAl Layered Double Hydroxide Nanoparticles as a Dual-functional Platform for Magnetic Resonance Imaging and siRNA Delivery. <i>Chemistry - A European Journal</i> , 2017, 23, 14299-14306.	1.7	55
103	Structure and catalytic properties of Sn-containing layered double hydroxides synthesized in the presence of dodecylsulfate and dodecylamine. <i>Applied Clay Science</i> , 2010, 48, 569-574.	2.6	54
104	Creating Structural Defects of Drug-free Copper-containing Layered Double Hydroxide Nanoparticles to Synergize Photothermal/Photodynamic/Chemodynamic Cancer Therapy. <i>Small Structures</i> , 2021, 2, 2000112.	6.9	54
105	Fluorescent layered double hydroxide nanoparticles for biological studies. <i>Applied Clay Science</i> , 2010, 48, 271-279.	2.6	53
106	One-pot preparation of highly fluorescent cadmium telluride/cadmium sulfide quantum dots under neutral-pH condition for biological applications. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 3-10.	5.0	53
107	Efficient Selective Catalytic Reduction of NO by Novel Carbon-doped Metal Catalysts Made from Electroplating Sludge. <i>Environmental Science & Technology</i> , 2014, 48, 11497-11503.	4.6	53
108	Clay Nanoparticles Elicit Long-term Immune Responses by Forming Biodegradable Depots for Sustained Antigen Stimulation. <i>Small</i> , 2018, 14, e1704465.	5.2	53

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109	Silencing PD-1 and PD-L1 with nanoparticle-delivered small interfering RNA increases cytotoxicity of tumor-infiltrating lymphocytes. <i>Nanomedicine</i> , 2019, 14, 955-967.	1.7	53
110	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015, 5, 16930.	1.6	52
111	Crosslinking to enhance colloidal stability and redispersity of layered double hydroxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 10-16.	5.0	52
112	Mannose-conjugated layered double hydroxide nanocomposite for targeted siRNA delivery to enhance cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2355-2364.	1.7	52
113	Nanobody: A Small Antibody with Big Implications for Tumor Therapeutic Strategy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2337-2356.	3.3	51
114	Phosphonic acid functionalized silicas for intermediate temperature proton conduction. <i>Journal of Materials Chemistry</i> , 2009, 19, 2363.	6.7	50
115	Transformation of alunite residuals into layered double hydroxides and oxides for adsorption of acid red G dye. <i>Applied Clay Science</i> , 2012, 70, 1-7.	2.6	50
116	Integrating Fluorinated Polymer and Manganese Layered Double Hydroxide Nanoparticles as pH-activated ¹⁹ F MRI Agents for Specific and Sensitive Detection of Breast Cancer. <i>Small</i> , 2019, 15, e1902309.	5.2	49
117	Charge Reversion Simultaneously Enhances Tumor Accumulation and Cell Uptake of Layered Double Hydroxide Nanohybrids for Effective Imaging and Therapy. <i>Small</i> , 2020, 16, e2002115.	5.2	49
118	Ionic Interactions in Crystallite Growth of CoMgAl-hydroxide-like Compounds. <i>Chemistry of Materials</i> , 2001, 13, 4555-4563.	3.2	48
119	Effective bio-treatment of fresh leachate from pretreated municipal solid waste in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , 2010, 101, 1447-1452.	4.8	48
120	Nanotechnology in the management of cervical cancer. <i>Reviews in Medical Virology</i> , 2015, 25, 72-83.	3.9	48
121	Two-dimensional layered double hydroxide nanoadjuvant: recent progress and future direction. <i>Nanoscale</i> , 2021, 13, 7533-7549.	2.8	48
122	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. <i>Nanoscale</i> , 2018, 10, 15103-15115.	2.8	46
123	Novel NO Trapping Catalysts Derived from Co ²⁺ Mg/X ³⁺ Al (X = Fe, Mn, Zr, La) Hydroxide-like Compounds. <i>Environmental Science & Technology</i> , 2007, 41, 1399-1404.	4.6	45
124	A Facile Way of Modifying Layered Double Hydroxide Nanoparticles with Targeting Ligand-Conjugated Albumin for Enhanced Delivery to Brain Tumour Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20444-20453.	4.0	45
125	Brain Targeting Delivery Facilitated by Ligand-Functionalized Layered Double Hydroxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20326-20333.	4.0	45
126	Development of Multifunctional Clay-Based Nanomedicine for Elimination of Primary Invasive Breast Cancer and Prevention of Its Lung Metastasis and Distant Inoculation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35566-35576.	4.0	45

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127	Porous Silica Nanospheres Functionalized with Phosphonic Acid as Intermediate-Temperature Proton Conductors. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3157-3163.	1.5	44
128	Ferrite materials prepared from two industrial wastes: Electroplating sludge and spent pickle liquor. <i>Separation and Purification Technology</i> , 2010, 75, 210-217.	3.9	44
129	Efficient Removal of Sulfur Hexafluoride (SF ₆) Through Reacting with Recycled Electroplating Sludge. <i>Environmental Science & Technology</i> , 2013, 47, 6493-6499.	4.6	44
130	Targeted Molecular Imaging of Cardiovascular Diseases by Iron Oxide Nanoparticles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 601-613.	1.1	44
131	Effective Cr(VI) Removal from Simulated Groundwater through the Hydrotalcite-Derived Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2752-2758.	1.8	43
132	Antibody-Targeted Drug Delivery to Injured Arteries Using Layered Double Hydroxide Nanoparticles. <i>Advanced Healthcare Materials</i> , 2012, 1, 669-673.	3.9	43
133	Real-time histology in liver disease using multiphoton microscopy with fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , 2015, 6, 780.	1.5	42
134	Physiologically Based Pharmacokinetic Model for Long-Circulating Inorganic Nanoparticles. <i>Nano Letters</i> , 2016, 16, 939-945.	4.5	42
135	In-Situ Generation of Maximum Trivalent Cobalt in Synthesis of Hydrotalcite-like Compounds Mg _x Co _{1-x} (OH) ₂ (NO ₃) _y ·nH ₂ O. <i>Chemistry of Materials</i> , 2000, 12, 2597-2603.	3.2	41
136	Effect of SO ₂ Adsorption on Layered Double Hydroxides for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7357-7360.	1.8	41
137	Catalytic ammonia decomposition for CO-free hydrogen generation over Ru/Cr ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2013, 467, 246-252.	2.2	41
138	Intercalation of Sulfonate into Layered Double Hydroxide: Comparison of Simulation with Experiment. <i>Journal of Physical Chemistry C</i> , 2009, 113, 559-566.	1.5	40
139	Iridium(III) Complex-Based Activatable Probe for Phosphorescent/Time-Gated Luminescent Sensing and Imaging of Cysteine in Mitochondria of Live Cells and Animals. <i>Chemistry - A European Journal</i> , 2019, 25, 1498-1506.	1.7	40
140	High and long-term antibacterial activity against Escherichia coli via synergy between the antibiotic penicillin G and its carrier ZnAl layered double hydroxide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 435-442.	2.5	40
141	Layered double hydroxide nanoparticles: Impact on vascular cells, blood cells and the complement system. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 404-410.	5.0	39
142	Optimization of fermentative biohydrogen production by response surface methodology using fresh leachate as nutrient supplement. <i>Bioresource Technology</i> , 2011, 102, 8661-8668.	4.8	38
143	The effect of calcium on the treatment of fresh leachate in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , 2011, 102, 5466-5472.	4.8	38
144	Re-considering how particle size and other properties of antigen-adjuvant complexes impact on the immune responses. <i>Journal of Colloid and Interface Science</i> , 2013, 395, 1-10.	5.0	38

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145	Effects of magnetic field strength and particle aggregation on relaxivity of ultra-small dual contrast iron oxide nanoparticles. <i>Materials Research Express</i> , 2017, 4, 116105.	0.8	38
146	Investigating the Use of Layered Double Hydroxide Nanoparticles as Carriers of Metal Oxides for Theranostics of ROS-Related Diseases. <i>ACS Applied Bio Materials</i> , 2019, 2, 5930-5940.	2.3	38
147	Dual-target IL-12-containing nanoparticles enhance T cell functions for cancer immunotherapy. <i>Cellular Immunology</i> , 2020, 349, 104042.	1.4	38
148	Sulfate-Functionalized Carbon/Metal-Oxide Nanocomposites from Hydrotalcite-like Compounds. <i>Nano Letters</i> , 2001, 1, 703-706.	4.5	37
149	Fe ²⁺ /USY Zeolite Catalyst for Effective Decomposition of Nitrous Oxide. <i>Environmental Science & Technology</i> , 2007, 41, 7901-7906.	4.6	37
150	NO decomposition, storage and reduction over novel mixed oxide catalysts derived from hydrotalcite-like compounds. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 423-430.	5.0	37
151	Intravital Multiphoton Imaging of the Selective Uptake of Water-Dispersible Quantum Dots into Sinusoidal Liver Cells. <i>Small</i> , 2015, 11, 1711-1720.	5.2	37
152	Nano- and micro-materials in the treatment of internal bleeding and uncontrolled hemorrhage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 507-519.	1.7	37
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