

Zhi Ping Xu

List of Publications by Year in descending order

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292
papers

17,891
citations

12330
69
h-index

20358
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. Chemical Engineering Science, 2006, 61, 1027-1040.	3.8	841
2	Clay nanosheets for topical delivery of RNAi for sustained protection against plant viruses. Nature Plants, 2017, 3, 16207.	9.3	641
3	Stable Suspension of Layered Double Hydroxide Nanoparticles in Aqueous Solution. Journal of the American Chemical Society, 2006, 128, 36-37.	13.7	385
4	Catalytic applications of layered double hydroxides and derivatives. Applied Clay Science, 2011, 53, 139-150.	5.2	347
5	Hydrothermal Synthesis of Layered Double Hydroxides (LDHs) from Mixed MgO and Al ₂ O ₃ : A LDH Formation Mechanism. Chemistry of Materials, 2005, 17, 1055-1062.	6.7	338
6	Hierarchical layered double hydroxide nanocomposites: structure, synthesis and applications. Chemical Communications, 2015, 51, 3024-3036.	4.1	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. Journal of Physical Chemistry B, 2001, 105, 1743-1749.	2.6	293
8	Dispersion and Size Control of Layered Double Hydroxide Nanoparticles in Aqueous Solutions. Journal of Physical Chemistry B, 2006, 110, 16923-16929.	2.6	281
9	PD-L1 Distribution and Perspective for Cancer Immunotherapy—Blockade, Knockdown, or Inhibition. Frontiers in Immunology, 2019, 10, 2022.	4.8	270
10	Layered Double Hydroxides for CO ₂ Capture: Structure Evolution and Regeneration. Industrial & Engineering Chemistry Research, 2006, 45, 7504-7509.	3.7	264
11	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. Biomaterials, 2014, 35, 3331-3339.	11.4	263
12	Layered double hydroxide nanoparticles in gene and drug delivery. Expert Opinion on Drug Delivery, 2009, 6, 907-922.	5.0	255
13	Subcellular compartment targeting of layered double hydroxide nanoparticles. Journal of Controlled Release, 2008, 130, 86-94.	9.9	249
14	In Vitro Sustained Release of LMWH from MgAl-layered Double Hydroxide Nanohybrids. Chemistry of Materials, 2008, 20, 3715-3722.	6.7	247
15	Interconversion of Brucite-like and Hydrotalcite-like Phases in Cobalt Hydroxide Compounds. Chemistry of Materials, 1999, 11, 67-74.	6.7	227
16	Manipulating extracellular tumour pH: an effective target for cancer therapy. RSC Advances, 2018, 8, 22182-22192.	3.6	219
17	Recent progress in upconversion luminescence nanomaterials for biomedical applications. Journal of Materials Chemistry B, 2018, 6, 192-209.	5.8	192
18	Manganese-Based Layered Double Hydroxide Nanoparticles as a T ₁ -MRI Contrast Agent with Ultrasensitive pH Response and High Relaxivity. Advanced Materials, 2017, 29, 1700373.	21.0	190

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19	Theoretical and experimental analysis of droplet evaporation on solid surfaces. Chemical Engineering Science, 2012, 69, 522-529.	3.8	178
20	Efficient siRNA delivery to mammalian cells using layered double hydroxide nanoparticles. Biomaterials, 2010, 31, 1821-1829.	11.4	168
21	Thermal evolution of cobalt hydroxides: a comparative study of their various structural phases. Journal of Materials Chemistry, 1998, 8, 2499-2506.	6.7	149
22	High affinity of dodecylbenzene sulfonate for layered double hydroxide and resulting morphological changes. Journal of Materials Chemistry, 2003, 13, 268-273.	6.7	148
23	MgCoAl-LDH derived heterogeneous catalysts for the ethanol transesterification of canola oil to biodiesel. Applied Catalysis B: Environmental, 2009, 88, 42-49.	20.2	146
24	Efficient delivery of siRNA to cortical neurons using layered double hydroxide nanoparticles. Biomaterials, 2010, 31, 8770-8779.	11.4	139
25	Influence of Water on High-Temperature CO ₂ Capture Using Layered Double Hydroxide Derivatives. Industrial & Engineering Chemistry Research, 2008, 47, 2630-2635.	3.7	138
26	Removal efficiency of arsenate and phosphate from aqueous solution using layered double hydroxide materials: intercalation vs. precipitation. Journal of Materials Chemistry, 2010, 20, 4684.	6.7	138
27	Recent advances in the development of responsive probes for selective detection of cysteine. Coordination Chemistry Reviews, 2020, 408, 213182.	18.8	137
28	“Dual-Key-and-Lock” Ruthenium Complex Probe for Lysosomal Formaldehyde in Cancer Cells and Tumors. Journal of the American Chemical Society, 2019, 141, 8462-8472.	13.7	135
29	Adsorption/Desorption Studies of NO _x on Well-Mixed Oxides Derived from Co ²⁺ /Mg/Al Hydrotalcite-like Compounds. Journal of Physical Chemistry B, 2006, 110, 4291-4300.	2.6	131
30	Surface charging of layered double hydroxides during dynamic interactions of anions at the interfaces. Journal of Colloid and Interface Science, 2008, 326, 522-529.	9.4	128
31	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. Journal of Materials Chemistry B, 2015, 3, 939-958.	5.8	126
32	Layered double hydroxide nanomaterials as potential cellular drug delivery agents. Pure and Applied Chemistry, 2006, 78, 1771-1779.	1.9	124
33	High-Temperature Adsorption of Carbon Dioxide on Mixed Oxides Derived from Hydrotalcite-Like Compounds. Environmental Science & Technology, 2008, 42, 614-618.	10.0	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. Chemistry of Materials, 2001, 13, 4564-4572.	6.7	118
35	Low-Temperature Synthesis of Mg _x Co _{1-x} Co ₂ O ₄ Spinel Catalysts for N ₂ O Decomposition. Chemistry of Materials, 2000, 12, 650-658.	6.7	117
36	Induction of virus resistance by exogenous application of double-stranded RNA. Current Opinion in Virology, 2017, 26, 49-55.	5.4	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.	5.8	109
38	Novel Nafion composite membranes with mesoporous silica nanospheres as inorganic fillers. <i>Journal of Power Sources</i> , 2008, 185, 664-669.	7.8	106
39	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2793-2818.	5.8	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.	5.2	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.	3.7	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.	20.2	100
43	Nanoparticle-Based Nanomedicines to Promote Cancer Immunotherapy: Recent Advances and Future Directions. <i>Small</i> , 2019, 15, e1900262.	10.0	100
44	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , 2020, 4, 1900343.	8.6	100
45	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , 2016, 10, 387-395.	14.6	95
46	Potential for Layered Double Hydroxides-Based, Innovative Drug Delivery Systems. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7409-7428.	4.1	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.	9.4	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.	11.4	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.	4.1	89
50	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. <i>International Journal of Nanomedicine</i> , 2007, 2, 163-74.	6.7	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.	14.9	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.	11.4	86
53	Decomposition Processes of Organic-Anion-Pillared Clays Co ₂ Mg ₂ Al(OH) ₆ (TA) ₂ ·nH ₂ O. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10206-10214.	2.6	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.	1.9	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.	5.2	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.	12.4	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.	3.1	81
58	Responsive small-molecule luminescence probes for sulfite/bisulfite detection in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116199.	11.4	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.	6.7	79
60	Polarized immune responses modulated by layered double hydroxides nanoparticle conjugated with CpG. <i>Biomaterials</i> , 2014, 35, 9508-9516.	11.4	79
61	Amine-functionalized SiO ₂ nanodot-coated layered double hydroxide nanocomposites for enhanced gene delivery. <i>Nano Research</i> , 2015, 8, 682-694.	10.4	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.	3.1	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.	5.8	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.	3.3	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.	1.9	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.	5.6	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.	12.4	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.	9.4	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.	8.0	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.	9.4	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.	9.6	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.	7.9	71

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73	Effective removal of pyrophosphate by Ca ²⁺ /Fe ³⁺ -LDH and its mechanism. Chemical Engineering Journal, 2012, 179, 72-79.	12.7	71
74	The effect of Zn, Al layered double hydroxide on thermal decomposition of poly(vinyl chloride). Polymer Degradation and Stability, 2006, 91, 3237-3244.	5.8	69
75	Enhanced effects of low molecular weight heparin intercalated with layered double hydroxide nanoparticles on rat vascular smooth muscle cells. Biomaterials, 2010, 31, 5455-5462.	11.4	69
76	Selective oxidation of biorenewable glycerol with molecular oxygen over Cu-containing layered double hydroxide-based catalysts. Catalysis Science and Technology, 2011, 1, 111.	4.1	69
77	Reduction in the size of layered double hydroxide nanoparticles enhances the efficiency of siRNA delivery. Journal of Colloid and Interface Science, 2013, 390, 275-281.	9.4	69
78	Effective removal of selenate from aqueous solutions by the Friedel phase. Journal of Hazardous Materials, 2010, 176, 193-198.	12.4	68
79	Novel iron oxide ²⁺ /cerium oxide core ²⁺ /shell nanoparticles as a potential theranostic material for ROS related inflammatory diseases. Journal of Materials Chemistry B, 2018, 6, 4937-4951.	5.8	67
80	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. Applied Catalysis A: General, 2008, 344, 131-141.	4.3	66
81	Efficient drug delivery using SiO ₂ -layered double hydroxide nanocomposites. Journal of Colloid and Interface Science, 2016, 470, 47-55.	9.4	66
82	Foliar application of clay-delivered RNA interference for whitefly control. Nature Plants, 2022, 8, 535-548.	9.3	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. Chemical Engineering Journal, 2012, 181-182, 251-258.	12.7	60
92	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. Advanced Materials, 2021, 33, e2008094.	21.0	60
93	Penetration of Nanoparticles into Human Skin. Current Pharmaceutical Design, 2013, 19, 6353-6366.	1.9	59
94	Responsive Upconversion Nanoprobe for Background-Free Hypochlorous Acid Detection and Bioimaging. Small, 2019, 15, e1803712.	10.0	59
95	Quantum Dot-Based Nanoprobes for In Vivo Targeted Imaging. Current Molecular Medicine, 2013, 13, 1549-1567.	1.3	59
96	Synthesis of Robust Sandwich-Like SiO ₂ @CdTe@SiO ₂ Fluorescent Nanoparticles for Cellular Imaging. Chemistry of Materials, 2012, 24, 421-423.	6.7	57
97	Efficiency of layered double hydroxide nanoparticle-mediated delivery of siRNA is determined by nucleotide sequence. Journal of Colloid and Interface Science, 2012, 369, 453-459.	9.4	57
98	Efficient and Durable Vaccine against Intimin \hat{I}^2 of Diarrheagenic <i>E. Coli</i> Induced by Clay Nanoparticles. Small, 2016, 12, 1627-1639.	10.0	57
99	Synthesis of nanorattles with layered double hydroxide core and mesoporous silica shell as delivery vehicles. Journal of Materials Chemistry, 2011, 21, 10641.	6.7	56
100	Turn-On Fluorescence Probe for Nitric Oxide Detection and Bioimaging in Live Cells and Zebrafish. ACS Sensors, 2019, 4, 309-316.	7.8	56
101	Synthesis of Non-Al-Containing Hydrotalcite-like Compound Mg _{0.3} Co _{0.6} Co _{0.2} (OH) ₂ (NO ₃) _{0.2} ·H ₂ O. Chemistry of Materials, 1998, 10, 2277-2283.	6.7	55
102	MnAl Layered Double Hydroxide Nanoparticles as a Dual-Functional Platform for Magnetic Resonance Imaging and siRNA Delivery. Chemistry - A European Journal, 2017, 23, 14299-14306.	3.3	55
103	Structure and catalytic properties of Sn-containing layered double hydroxides synthesized in the presence of dodecylsulfate and dodecylamine. Applied Clay Science, 2010, 48, 569-574.	5.2	54
104	Creating Structural Defects of Drug-Free Copper-Containing Layered Double Hydroxide Nanoparticles to Synergize Photothermal/Photodynamic/Chemodynamic Cancer Therapy. Small Structures, 2021, 2, 2000112.	12.0	54
105	Fluorescent layered double hydroxide nanoparticles for biological studies. Applied Clay Science, 2010, 48, 271-279.	5.2	53
106	One-pot preparation of highly fluorescent cadmium telluride/cadmium sulfide quantum dots under neutral-pH condition for biological applications. Journal of Colloid and Interface Science, 2013, 390, 3-10.	9.4	53
107	Efficient Selective Catalytic Reduction of NO by Novel Carbon-doped Metal Catalysts Made from Electroplating Sludge. Environmental Science & Technology, 2014, 48, 11497-11503.	10.0	53
108	Clay Nanoparticles Elicit Long-Term Immune Responses by Forming Biodegradable Depots for Sustained Antigen Stimulation. Small, 2018, 14, e1704465.	10.0	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.	3.3	53
110	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015, 5, 16930.	3.3	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.	9.4	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.	3.3	52
113	Nanobody: A Small Antibody with Big Implications for Tumor Therapeutic Strategy. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2337-2356.	6.7	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.	5.2	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.	10.0	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.	10.0	49
118	Ionic Interactions in Crystallite Growth of CoMgAl-hydrotalcite-like Compounds. <i>Chemistry of Materials</i> , 2001, 13, 4555-4563.	6.7	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.	9.6	48
120	Nanotechnology in the management of cervical cancer. <i>Reviews in Medical Virology</i> , 2015, 25, 72-83.	8.3	48
121	Two-dimensional layered double hydroxide nanoadjuvant: recent progress and future direction. <i>Nanoscale</i> , 2021, 13, 7533-7549.	5.6	48
122	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. <i>Nanoscale</i> , 2018, 10, 15103-15115.	5.6	46
123	Novel NO Trapping Catalysts Derived from Co ²⁺ Mg/X ³⁺ Al (X = Fe, Mn, Zr, La) Hydrotalcite-like Compounds. <i>Environmental Science & Technology</i> , 2007, 41, 1399-1404.	10.0	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.	8.0	45
125	Brain Targeting Delivery Facilitated by Ligand-Functionalized Layered Double Hydroxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20326-20333.	8.0	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.	8.0	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.	3.1	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.	7.9	44
129	Efficient Removal of Sulfur Hexafluoride (SF ₆) Through Reacting with Recycled Electroplating Sludge. <i>Environmental Science & Technology</i> , 2013, 47, 6493-6499.	10.0	44
130	Targeted Molecular Imaging of Cardiovascular Diseases by Iron Oxide Nanoparticles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 601-613.	2.4	44
131	Effective Cr(VI) Removal from Simulated Groundwater through the Hydrotalcite-Derived Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 2752-2758.	3.7	43
132	Antibody-Targeted Drug Delivery to Injured Arteries Using Layered Double Hydroxide Nanoparticles. <i>Advanced Healthcare Materials</i> , 2012, 1, 669-673.	7.6	43
133	Real-time histology in liver disease using multiphoton microscopy with fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , 2015, 6, 780.	2.9	42
134	Physiologically Based Pharmacokinetic Model for Long-Circulating Inorganic Nanoparticles. <i>Nano Letters</i> , 2016, 16, 939-945.	9.1	42
135	In-Situ Generation of Maximum Trivalent Cobalt in Synthesis of Hydrotalcite-like Compounds Mg _x Co _{11-x} yCo _{lly} (OH) ₂ (NO ₃) _y ·nH ₂ O. <i>Chemistry of Materials</i> , 2000, 12, 2597-2603.	6.7	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.	3.7	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.	4.3	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.	3.1	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.	3.3	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.	5.0	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.	9.4	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.	9.6	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.	9.6	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.	9.4	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.	1.6	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.	4.6	38
147	Dual-target IL-12-containing nanoparticles enhance T cell functions for cancer immunotherapy. <i>Cellular Immunology</i> , 2020, 349, 104042.	3.0	38
148	Sulfate-Functionalized Carbon/Metal-Oxide Nanocomposites from Hydrotalcite-like Compounds. <i>Nano Letters</i> , 2001, 1, 703-706.	9.1	37
149	Fe ²⁺ /USY Zeolite Catalyst for Effective Decomposition of Nitrous Oxide. <i>Environmental Science & Technology</i> , 2007, 41, 7901-7906.	10.0	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.	9.4	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.	10.0	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.	3.3	37
153	Heat/pH-boosted release of 5-fluorouracil and albumin-bound paclitaxel from Cu-doped layered double hydroxide nanomedicine for synergistical chemo-photo-therapy of breast cancer. <i>Journal of Controlled Release</i> , 2021, 335, 49-58.	9.9	37
154	Engineering small MgAl-layered double hydroxide nanoparticles for enhanced gene delivery. <i>Applied Clay Science</i> , 2014, 100, 66-75.	5.2	36
155	Engineering Chameleon Prodrug Nanovesicles to Increase Antigen Presentation and Inhibit PD-L1 Expression for Circumventing Immune Resistance of Cancer. <i>Advanced Materials</i> , 2021, 33, e2102668.	21.0	36
156	Layered double hydroxide nanoparticles incorporating terbium: applicability as a fluorescent probe and morphology modifier. <i>Journal of Nanoparticle Research</i> , 2010, 12, 111-120.	1.9	35
157	Two-photon dual imaging platform for in vivo monitoring cellular oxidative stress in liver injury. <i>Scientific Reports</i> , 2017, 7, 45374.	3.3	35
158	Insulin and epithelial growth factor (EGF) promote programmed death ligand 1(PD-L1) production and transport in colon cancer stem cells. <i>BMC Cancer</i> , 2019, 19, 153.	2.6	35
159	Enhanced Oral Vaccine Efficacy of Polysaccharide-Coated Calcium Phosphate Nanoparticles. <i>ACS Omega</i> , 2020, 5, 18185-18197.	3.5	35
160	Mannose-Functionalized Biodegradable Nanoparticles Efficiently Deliver DNA Vaccine and Promote Anti-tumor Immunity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 14015-14027.	8.0	35
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