

# Zhi Ping Xu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

287  
papers

13,469  
citations

61  
h-index

103  
g-index

297  
ext. papers

15,674  
ext. citations

8  
avg, IF

6.86  
L-index

#	Paper	IF	Citations
287	Strategy for Cytoplasmic Delivery Using Inorganic Particles.. <i>Pharmaceutical Research</i> , <b>2022</b> , 1	4.5	4
286	Effects of nanoparticles on the blood coagulation system (nanoparticle interface with the blood coagulation system) <b>2022</b> , 113-140		1
285	Tailoring functional nanoparticles for oral vaccine delivery: Recent advances and future perspectives. <i>Composites Part B: Engineering</i> , <b>2022</b> , 236, 109826	10	2
284	MnO-shelled Doxorubicin/Curcumin nanoformulation for enhanced colorectal cancer chemo-immunotherapy.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 617, 315-325	9.3	1
283	Foliar application of clay-delivered RNA interference for whitefly control.. <i>Nature Plants</i> , <b>2022</b> ,	11.5	4
282	Two-dimensional nanomaterials for tumor microenvironment modulation and anticancer therapy. <i>Advanced Drug Delivery Reviews</i> , <b>2022</b> , 187, 114360	18.5	0
281	Dynamic nano-assemblies based on two-dimensional inorganic nanoparticles: Construction and preclinical demonstration. <i>Advanced Drug Delivery Reviews</i> , <b>2021</b> , 180, 114031	18.5	6
280	Influence of nanoparticles on the haemostatic balance: between thrombosis and haemorrhage. <i>Biomaterials Science</i> , <b>2021</b> ,	7.4	3
279	Enhanced Mucosal Transport of Polysaccharide-Calcium Phosphate Nanocomposites for Oral Vaccination.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 7865-7878	4.1	2
278	Biomimetic 2D layered double hydroxide nanocomposites for hyperthermia-facilitated homologous targeting cancer photo-chemotherapy. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 351	9.4	0
277	Nanobody: A Small Antibody with Big Implications for Tumor Therapeutic Strategy. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 2337-2356	7.3	16
276	Responsive small-molecule luminescence probes for sulfite/bisulfite detection in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 136, 116199	14.6	21
275	Synergistic Inhibition of Drug-Resistant Colon Cancer Growth with PI3K/mTOR Dual Inhibitor BEZ235 and Nano-Emulsioned Paclitaxel via Reducing Multidrug Resistance and Promoting Apoptosis. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 2173-2186	7.3	9
274	Mannose-Functionalized Biodegradable Nanoparticles Efficiently Deliver DNA Vaccine and Promote Anti-tumor Immunity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 14015-14027	9.5	14
273	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008094	24	16
272	Oxygen-derived free radicals: Production, biological importance, bioimaging, and analytical detection with responsive luminescent nanoprobe. <i>View</i> , <b>2021</b> , 2, 20200139	7.8	3
271	Albumin-stabilized layered double hydroxide nanoparticles synergized combination chemotherapy for colorectal cancer treatment. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 34, 102369 <sup>6</sup>		6

270	Encapsulating Anti-Parasite Benzimidazole Drugs into Lipid-Coated Calcium Phosphate Nanoparticles to Efficiently Induce Skin Cancer Cell Apoptosis. <i>Frontiers in Nanotechnology</i> , <b>2021</b> , 3,	5.5	2
269	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> , <b>2021</b> , 335, 49-58	11.7	10
268	Sheet-like clay nanoparticles deliver RNA into developing pollen to efficiently silence a target gene. <i>Plant Physiology</i> , <b>2021</b> , 187, 886-899	6.6	5
267	Creating Structural Defects of Drug-Free Copper-Containing Layered Double Hydroxide Nanoparticles to Synergize Photothermal/Photodynamic/Chemodynamic Cancer Therapy. <i>Small Structures</i> , <b>2021</b> , 2, 2000112	8.7	19
266	Lipid-encapsulated upconversion nanoparticle for near-infrared light-mediated carbon monoxide release for cancer gas therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2021</b> , 158, 211-221	5.7	10
265	Efficient delivery of clay-based nanovaccines to the mouse spleen promotes potent anti-tumor immunity for both prevention and treatment of lymphoma. <i>Nano Research</i> , <b>2021</b> , 14, 1326-1334	10	5
264	Targeted Molecular Imaging of Cardiovascular Diseases by Iron Oxide Nanoparticles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 601-613	9.4	21
263	ATP stabilised and sensitised calcium phosphate nanoparticles as effective adjuvants for a DNA vaccine against cancer. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 7435-7446	7.3	4
262	Enhancing Tumor Accumulation and Cellular Uptake of Layered Double Hydroxide Nanoparticles by Coating/Detaching pH-Triggered Charge-Convertible Polymers. <i>ACS Omega</i> , <b>2021</b> , 6, 3822-3830	3.9	5
261	Synergistic Cancer Photochemotherapy via Layered Double Hydroxide-Based Trimodal Nanomedicine at Very Low Therapeutic Doses. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7115-7128	9.5	17
260	Calcium-bisphosphonate Nanoparticle Platform as a Prolonged Nanodrug and Bone-Targeted Delivery System for Bone Diseases and Cancers.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 2490-2501	4.1	3
259	Cancer Immunotherapy: From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer (Adv. Mater. 30/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170237	24	0
258	Immunostimulatory photochemotherapeutic nanocapsule for enhanced colon cancer treatment. <i>Nanophotonics</i> , <b>2021</b> , 10, 3321-3337	6.3	2
257	Artificial cells for the treatment of liver diseases. <i>Acta Biomaterialia</i> , <b>2021</b> , 130, 98-114	10.8	0
256	Engineering Chameleon Prodrug Nanovesicles to Increase Antigen Presentation and Inhibit PD-L1 Expression for Circumventing Immune Resistance of Cancer. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102668	24	6
255	Eco-friendly biomolecule-nanomaterial hybrids as next-generation agrochemicals for topical delivery. <i>EcoMat</i> , <b>2021</b> , 3, e12132	9.4	5
254	Inhibiting corneal neovascularization by sustainably releasing anti-VEGF and anti-inflammation drugs from silica-thermogel nanohybrids. <i>Materials Science and Engineering C</i> , <b>2021</b> , 128, 112274	8.3	0
253	Development of manganese dioxide-based nanoprobe for fluorescence detection and imaging of glutathione. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 12377-12383	3.6	1

252	Vitamin E-facilitated carbon monoxide pro-drug nanomedicine for efficient light-responsive combination cancer therapy. <i>Biomaterials Science</i> , <b>2021</b> , 9, 6086-6097	7.4	3
251	Two-dimensional layered double hydroxide nanoadjuvant: recent progress and future direction. <i>Nanoscale</i> , <b>2021</b> , 13, 7533-7549	7.7	13
250	An artificial protein-probe hybrid as a responsive probe for ratiometric detection and imaging of hydrogen peroxide in cells. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 5420-5424	7.3	8
249	Nanostructuring a Widely Used Antiworm Drug into the Lipid-Coated Calcium Phosphate Matrix for Enhanced Skin Tumor Treatment.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 4230-4238	4.1	3
248	Engineering a Therapy-Induced Immunogenic Cancer Cell Death Amplifier to Boost Systemic Tumor Elimination. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909745	15.6	44
247	Charge Reversion Simultaneously Enhances Tumor Accumulation and Cell Uptake of Layered Double Hydroxide Nanohybrids for Effective Imaging and Therapy. <i>Small</i> , <b>2020</b> , 16, e2002115	11	21
246	Short-term exposure to ZnO/MCB persistent free radical particles causes mouse lung lesions via inflammatory reactions and apoptosis pathways. <i>Environmental Pollution</i> , <b>2020</b> , 261, 114039	9.3	6
245	Targeted Drug Delivery: 2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine (Small Methods 2/2020). <i>Small Methods</i> , <b>2020</b> , 4, 2070008	12.8	4
244	Enhanced Prevention of Breast Tumor Metastasis by Nanoparticle-Delivered Vitamin E in Combination with Interferon-Gamma. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1901706	10.1	16
243	Recent advances in the development of responsive probes for selective detection of cysteine. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 408, 213182	23.2	70
242	Bisphosphonate Stabilized Calcium Phosphate Nanoparticles for Effective Delivery of Plasmid DNA to Macrophages.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 986-996	4.1	7
241	Recent advances in heparinization of polymeric membranes for enhanced continuous blood purification. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 878-894	7.3	10
240	Responsive nanosensor for ratiometric luminescence detection of hydrogen sulfide in inflammatory cancer cells. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1103, 156-163	6.6	16
239	A hydrogen peroxide activatable nanoprobe for light-controlled "double-check" multi-colour fluorescence imaging. <i>Nanoscale</i> , <b>2020</b> , 12, 22527-22533	7.7	6
238	Nanovaccine rapid induction of anti-tumor immunity significantly improves malignant cancer immunotherapy. <i>Nano Today</i> , <b>2020</b> , 35, 100923	17.9	9
237	Enhanced Oral Vaccine Efficacy of Polysaccharide-Coated Calcium Phosphate Nanoparticles. <i>ACS Omega</i> , <b>2020</b> , 5, 18185-18197	3.9	19
236	Dual-target IL-12-containing nanoparticles enhance T cell functions for cancer immunotherapy. <i>Cellular Immunology</i> , <b>2020</b> , 349, 104042	4.4	17
235	Different Approaches to Develop Nanosensors for Diagnosis of Diseases. <i>Advanced Science</i> , <b>2020</b> , 7, 2001476	13.6	14

234	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , <b>2020</b> , 4, 1900343	12.8	59
233	Understanding of the high hydrothermal stability of a catalyst prepared from Mn slag for low-temperature selective catalytic reduction of NO. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120935	12.8	6
232	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 &amp; Interfaces</i> , <b>2019</b> , 11, 35566-35576	9.5	25
231	Enhancing PD-1 Gene Silence in T Lymphocytes by Comparing the Delivery Performance of Two Inorganic Nanoparticle Platforms. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	21
230	Alkaline fermentation of waste activated sludge with calcium hydroxide to improve short-chain fatty acids production and extraction efficiency via layered double hydroxides. <i>Bioresource Technology</i> , <b>2019</b> , 279, 117-123	11	18
229	Potent and durable antibacterial activity of ZnO-dotted nanohybrids hydrothermally derived from ZnAl-layered double hydroxides. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 585-592	6	8
228	Multifunctional lipid-coated calcium phosphate nanoplatfoms for complete inhibition of large triple negative breast cancer via targeted combined therapy. <i>Biomaterials</i> , <b>2019</b> , 216, 119232	15.6	15
227	Silencing PD-1 and PD-L1 with nanoparticle-delivered small interfering RNA increases cytotoxicity of tumor-infiltrating lymphocytes. <i>Nanomedicine</i> , <b>2019</b> , 14, 955-967	5.6	37
226	Nanoparticle-Based Nanomedicines to Promote Cancer Immunotherapy: Recent Advances and Future Directions. <i>Small</i> , <b>2019</b> , 15, e1900262	11	69
225	Modifying layered double hydroxide nanoparticles for tumor imaging and therapy. <i>Clays and Clay Minerals</i> , <b>2019</b> , 67, 72-80	2.1	6
224	"Dual-Key-and-Lock" Ruthenium Complex Probe for Lysosomal Formaldehyde in Cancer Cells and Tumors. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8462-8472	16.4	83
223	Insluin and epithelial growth factor (EGF) promote programmed death ligand 1(PD-L1) production and transport in colon cancer stem cells. <i>BMC Cancer</i> , <b>2019</b> , 19, 153	4.8	21
222	PD-L1 Distribution and Perspective for Cancer Immunotherapy-Blockade, Knockdown, or Inhibition. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 2022	8.4	155
221	Integrating Fluorinated Polymer and Manganese-Layered Double Hydroxide Nanoparticles as pH-activated F MRI Agents for Specific and Sensitive Detection of Breast Cancer. <i>Small</i> , <b>2019</b> , 15, e1902309	11	28
220	Indoor CO2 Control through Mesoporous Amine-Functionalized Silica Monoliths. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 19465-19474	3.9	8
219	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> , <b>2019</b> , 2, 5930-5940	4.1	16
218	Clay Nanoparticles Facilitate Delivery of Antiviral RNA for Crop Protection. <i>Proceedings (mdpi)</i> , <b>2019</b> , 36, 9	0.3	
217	Pretreating anaerobic fermentation liquid with calcium addition to improve short chain fatty acids extraction via in situ synthesis of layered double hydroxides. <i>Bioresource Technology</i> , <b>2019</b> , 271, 190-195	11	14

216	Enhanced combination cancer therapy using lipid-calcium carbonate/phosphate nanoparticles as a targeted delivery platform. <i>Nanomedicine</i> , <b>2019</b> , 14, 77-92	5.6	9
215	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> , <b>2019</b> , 25, 1498-1506	4.8	28
214	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> , <b>2019</b> , 174, 435-442	6	24
213	Turn-On Fluorescence Probe for Nitric Oxide Detection and Bioimaging in Live Cells and Zebrafish. <i>ACS Sensors</i> , <b>2019</b> , 4, 309-316	9.2	33
212	Responsive Upconversion Nanoprobe for Background-Free Hypochlorous Acid Detection and Bioimaging. <i>Small</i> , <b>2019</b> , 15, e1803712	11	37
211	Nitrate removal from groundwater using negatively charged nanofiltration membrane. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 34197-34204	5.1	8
210	Simultaneous release of polyphosphate and iron-phosphate from waste activated sludge by anaerobic fermentation combined with sulfate reduction. <i>Bioresource Technology</i> , <b>2019</b> , 271, 182-189	11	16
209	Enhanced delivery of siRNA to triple negative breast cancer cells in vitro and in vivo through functionalizing lipid-coated calcium phosphate nanoparticles with dual target ligands. <i>Nanoscale</i> , <b>2018</b> , 10, 4258-4266	7.7	50
208	Recent progress in upconversion luminescence nanomaterials for biomedical applications. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 192-209	7.3	130
207	A review on fabricating heterostructures from layered double hydroxides for enhanced photocatalytic activities. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 1207-1228	5.5	64
206	Optimization of Formulations Consisting of Layered Double Hydroxide Nanoparticles and Small Interfering RNA for Efficient Knockdown of the Target Gene. <i>ACS Omega</i> , <b>2018</b> , 3, 4871-4877	3.9	9
205	Performance of layered double hydroxides intercalated with acetate as biodenitrification carbon source: The effects of metal ions and particle size. <i>Bioresource Technology</i> , <b>2018</b> , 259, 99-103	11	10
204	Mannose-conjugated layered double hydroxide nanocomposite for targeted siRNA delivery to enhance cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 2355-2364	6	30
203	Layered double hydroxide nanoparticles: Impact on vascular cells, blood cells and the complement system. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 512, 404-410	9.3	23
202	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. <i>Nanoscale</i> , <b>2018</b> , 10, 15103-15115	7.7	32
201	Efficient co-delivery of neo-epitopes using dispersion-stable layered double hydroxide nanoparticles for enhanced melanoma immunotherapy. <i>Biomaterials</i> , <b>2018</b> , 174, 54-66	15.6	55
200	Multifunctional Magnetized Porous Silica Covered with Poly(2-dimethylaminoethyl methacrylate) for pH Controllable Drug Release and Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5027-5034	5.6	18
199	X-ray fluorescence imaging of metals and metalloids in biological systems. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2018</b> , 8, 169-188	2.2	9

198	Nano- and micro-materials in the treatment of internal bleeding and uncontrolled hemorrhage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2018</b> , 14, 507-519	6	28
197	High adjuvant activity of layered double hydroxide nanoparticles and nanosheets in anti-tumour vaccine formulations. <i>Dalton Transactions</i> , <b>2018</b> , 47, 2956-2964	4.3	13
196	Clay Nanoparticles Elicit Long-Term Immune Responses by Forming Biodegradable Depots for Sustained Antigen Stimulation. <i>Small</i> , <b>2018</b> , 14, e1704465	11	27
195	Clay nanoparticles co-deliver three antigens to promote potent immune responses against pathogenic Escherichia coli. <i>Journal of Controlled Release</i> , <b>2018</b> , 292, 196-209	11.7	12
194	Anionic Long-Circulating Quantum Dots for Long-Term Intravital Vascular Imaging. <i>Pharmaceutics</i> , <b>2018</b> , 10,	6.4	10
193	Brain Targeting Delivery Facilitated by Ligand-Functionalized Layered Double Hydroxide Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20326-20333	9.5	31
192	Novel theranostic nanoplatform for complete mice tumor elimination via MR imaging-guided acid-enhanced photothermo-/chemo-therapy. <i>Biomaterials</i> , <b>2018</b> , 177, 40-51	15.6	59
191	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> , <b>2018</b> , 6, 4937-4951	7.3	46
190	Manipulating extracellular tumour pH: an effective target for cancer therapy.. <i>RSC Advances</i> , <b>2018</b> , 8, 22182-22192	3.7	98
189	Controlling mesoporous silica-coating of layered double hydroxide nanoparticles for drug control release. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 238, 97-104	5.3	16
188	Visualizing liver anatomy, physiology and pharmacology using multiphoton microscopy. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 46-60	3.1	24
187	Clay nanosheets for topical delivery of RNAi for sustained protection against plant viruses. <i>Nature Plants</i> , <b>2017</b> , 3, 16207	11.5	406
186	Increased PD-L1 expression in breast and colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2017</b> , 44, 602-604	3	60
185	Sustained Release of Brimonidine from a New Composite Drug Delivery System for Treatment of Glaucoma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7990-7999	9.5	56
184	Manganese-Based Layered Double Hydroxide Nanoparticles as a T-MRI Contrast Agent with Ultrasensitive pH Response and High Relaxivity. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700373	24	135
183	Shape-Controlled Hollow Mesoporous Silica Nanoparticles with Multifunctional Capping for In Vitro Cancer Treatment. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10878-10885	4.8	23
182	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 &amp; Interfaces</i> , <b>2017</b> , 9, 20444-20453	9.5	32
181	Two-photon dual imaging platform for in vivo monitoring cellular oxidative stress in liver injury. <i>Scientific Reports</i> , <b>2017</b> , 7, 45374	4.9	21

180	Nanoformulations of albendazole as effective anticancer and antiparasite agents. <i>Nanomedicine</i> , <b>2017</b> , 12, 2555-2574	5.6	11
179	Effects of magnetic field strength and particle aggregation on relaxivity of ultra-small dual contrast iron oxide nanoparticles. <i>Materials Research Express</i> , <b>2017</b> , 4, 116105	1.7	25
178	Efficient induction of comprehensive immune responses to control pathogenic E. coli by clay nano-adjuvant with the moderate size and surface charge. <i>Scientific Reports</i> , <b>2017</b> , 7, 13367	4.9	13
177	Synergistic Effect between Surface Anhydride Group and CarbonMetal Species during Catalytic Reduction of Nitric Oxide. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 11258-11265	4.1	8
176	MnAl Layered Double Hydroxide Nanoparticles as a Dual-Functional Platform for Magnetic Resonance Imaging and siRNA Delivery. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14299-14306	4.8	41
175	Devising new lipid-coated calcium phosphate/carbonate hybrid nanoparticles for controlled release in endosomes for efficient gene delivery. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 7194-7203	7.3	27
174	Induction of virus resistance by exogenous application of double-stranded RNA. <i>Current Opinion in Virology</i> , <b>2017</b> , 26, 49-55	7.5	69
173	Visualization and Modeling of the In Vivo Distribution of Mesenchymal Stem Cells. <i>Current Protocols in Stem Cell Biology</i> , <b>2017</b> , 43, 2B.8.1-2B.8.17	2.8	2
172	Theoretical and Experimental Evidence for the Carbon-Oxygen Group Enhancement of NO Reduction. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 14209-14216	10.3	19
171	Membrane interactions and antimicrobial effects of layered double hydroxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 23832-23842	3.6	18
170	Nanotechnology promotes the R&D of new-generation micronutrient foliar fertilizers. <i>RSC Advances</i> , <b>2016</b> , 6, 69465-69478	3.7	17
169	Functional magnetic porous silica for T-T dual-modal magnetic resonance imaging and pH-responsive drug delivery of basic drugs. <i>Nanotechnology</i> , <b>2016</b> , 27, 485702	3.4	13
168	Direct synthesis of layered double hydroxide nanosheets for efficient siRNA delivery. <i>RSC Advances</i> , <b>2016</b> , 6, 95518-95526	3.7	12
167	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , <b>2016</b> , 10, 387-956.7	5.7	72
166	Physiologically Based Pharmacokinetic Model for Long-Circulating Inorganic Nanoparticles. <i>Nano Letters</i> , <b>2016</b> , 16, 939-45	11.5	27
165	Efficient drug delivery using SiO <sub>2</sub> -layered double hydroxide nanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 470, 47-55	9.3	52
164	Synergistic inhibition of colon cancer cell growth with nanoemulsion-loaded paclitaxel and PI3K/mTOR dual inhibitor BEZ235 through apoptosis. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 1947-58	7.3	24
163	Efficient and Durable Vaccine against Intimin $\beta$ Diarrheagenic E. Coli Induced by Clay Nanoparticles. <i>Small</i> , <b>2016</b> , 12, 1627-39	11	42



162	A physiologically based kinetic model for elucidating the in vivo distribution of administered mesenchymal stem cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 22293	4.9	14
161	Nanotechnology in the management of cervical cancer. <i>Reviews in Medical Virology</i> , <b>2015</b> , 25 Suppl 1, 72-83	11.7	28
160	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> , <b>2015</b> , 3, 6805-6812	7.3	61
159	Synchronous cyanide purification with metals removal in the co-treatment of Zn/Cd and Ni electroplating wastewaters via the Ni <sup>2+</sup> -assisted precipitation of LDH. <i>Separation and Purification Technology</i> , <b>2015</b> , 145, 92-97	8.3	13
158	Pre-coating layered double hydroxide nanoparticles with albumin to improve colloidal stability and cellular uptake. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 3331-3339	7.3	74
157	Real-time histology in liver disease using multiphoton microscopy with fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 780-92	3.5	29
156	Stabilization of layered double hydroxide nanoparticles by bovine serum albumin pre-coating for drug/gene delivery. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e150-1	11.7	12
155	Enhanced precipitation of cyanide from electroplating wastewater via self-assembly of bimetal cyanide complex. <i>Separation and Purification Technology</i> , <b>2015</b> , 150, 179-185	8.3	17
154	Zinc uptake and distribution in tomato plants in response to foliar supply of Zn hydroxide-nitrate nanocrystal suspension with controlled Zn solubility. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2015</b> , 178, 722-731	2.3	5
153	Crosslinking to enhance colloidal stability and redispersity of layered double hydroxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 459, 10-16	9.3	40
152	Monofunctional polymer nanoparticles prepared through intramolecularly cross-linking the polymer chains sparsely grafted on the surface of sacrificial silica spheres. <i>Chemical Communications</i> , <b>2015</b> , 51, 1842-5	5.8	12
151	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 939-958	7.3	82
150	Intravital multiphoton imaging of the selective uptake of water-dispersible quantum dots into sinusoidal liver cells. <i>Small</i> , <b>2015</b> , 11, 1711-20	11	33
149	Hierarchical layered double hydroxide nanocomposites: structure, synthesis and applications. <i>Chemical Communications</i> , <b>2015</b> , 51, 3024-36	5.8	243
148	Particle size- and number-dependent delivery to cells by layered double hydroxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 437, 10-16	9.3	22
147	PI3K/Akt/mTOR pathway dual inhibitor BEZ235 suppresses the stemness of colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2015</b> , 42, 1317-26	3	58
146	Molecular Modeling of Layered Double Hydroxide Nanoparticles for Drug Delivery <b>2015</b> , 197-216		
145	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , <b>2015</b> , 5, 16930	4.9	39

144	A new design of ionic complexation and its application for efficient protection of proteins. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 1688-1692	4.9	
143	Amine-functionalized SiO <sub>2</sub> nanodot-coated layered double hydroxide nanocomposites for enhanced gene delivery. <i>Nano Research</i> , <b>2015</b> , 8, 682-694	10	70
142	In situ analysis of foliar zinc absorption and short-distance movement in fresh and hydrated leaves of tomato and citrus using synchrotron-based X-ray fluorescence microscopy. <i>Annals of Botany</i> , <b>2015</b> , 115, 41-53	4.1	29
141	Multi-step removal mechanism of pyrophosphate using CaFe-layered double hydroxide at high pH. <i>Applied Clay Science</i> , <b>2015</b> , 105-106, 21-26	5.2	7
140	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. <i>Biomaterials</i> , <b>2014</b> , 35, 3331-9	15.6	215
139	The mechanism of selective molecular capture in carbon nanotube networks. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14894-8	3.6	1
138	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> , <b>2014</b> , 435, 21-5	9.3	55
137	Efficient selective catalytic reduction of NO by novel carbon-doped metal catalysts made from electroplating sludge. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11497-503	10.3	43
136	Polarized immune responses modulated by layered double hydroxides nanoparticle conjugated with CpG. <i>Biomaterials</i> , <b>2014</b> , 35, 9508-16	15.6	55
135	Effects of Surface Properties of Organic Matters on Cation Adsorption in Solution Phase. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	1
134	Quick and efficient co-treatment of Zn(2+)/Ni(2+) and CN(-) via the formation of Ni(CN) <sub>4</sub> (2-) intercalated larger ZnAl-LDH crystals. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 279, 141-7	12.8	11
133	Decomposition of potent greenhouse gas sulfur hexafluoride (SF <sub>6</sub> ) by Kirschsteinite-dominant stainless steel slag. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 599-606	10.3	15
132	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 2793-2818	7.3	94
131	Turning phosphatizing wastewater into zinc-incorporated aluminophosphate molecular sieve with an enhanced catalytic performance. <i>Journal of Cleaner Production</i> , <b>2014</b> , 78, 249-253	10.3	4
130	Establishing Reference Conditions for Lake Water Quality: A Novel Extrapolation Approach. <i>Water Resources Management</i> , <b>2014</b> , 28, 2161-2178	3.7	1
129	Effective inhibition of colon cancer cell growth with MgAl-layered double hydroxide (LDH) loaded 5-FU and PI3K/mTOR dual inhibitor BEZ-235 through apoptotic pathways. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 3403-11	7.3	21
128	Influence of hydrothermal treatment on physicochemical properties and drug release of anti-inflammatory drugs of intercalated layered double hydroxide nanoparticles. <i>Pharmaceutics</i> , <b>2014</b> , 6, 235-48	6.4	22
127	Enhanced cellular delivery and biocompatibility of a small layered double hydroxide-liposome composite system. <i>Pharmaceutics</i> , <b>2014</b> , 6, 584-98	6.4	11

126	Potential foliar fertilizers with copper and zinc dual micronutrients in nanocrystal suspension. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	4
125	Potential for layered double hydroxides-based, innovative drug delivery systems. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 7409-28	6.3	72
124	Engineering small MgAl-layered double hydroxide nanoparticles for enhanced gene delivery. <i>Applied Clay Science</i> , <b>2014</b> , 100, 66-75	5.2	28
123	Polyethyleneimine-poly(ethylene glycol)-star-copolymers as efficient and biodegradable vectors for mammalian cell transfection. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 2137-46	5.4	3
122	High capacitance electrode materials based on layered double hydroxides prepared by non-aqueous precipitation. <i>Applied Clay Science</i> , <b>2013</b> , 74, 102-108	5.2	18
121	CN and heavy metal removal through formation of layered double hydroxides from mixed CN-containing electroplating wastewaters and pickle acid liquor. <i>Chemical Engineering Journal</i> , <b>2013</b> , 215-216, 411-417	14.7	15
120	Quantitative methods for estimating foliar uptake of zinc from suspension-based Zn chemicals. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2013</b> , 176, 764-775	2.3	15
119	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> , <b>2013</b> , 395, 1-10	9.3	32
118	Catalytic ammonia decomposition for CO-free hydrogen generation over Ru/Cr <sub>2</sub> O <sub>3</sub> catalysts. <i>Applied Catalysis A: General</i> , <b>2013</b> , 467, 246-252	5.1	23
117	Magnetic nanomaterials recovered from co-treatment of CN-containing electroplating wastewaters and pickle acid liquor. <i>Separation and Purification Technology</i> , <b>2013</b> , 120, 186-190	8.3	5
116	Mid- and near-infrared spectroscopic investigation of homogeneous cation distribution in Mg <sub>x</sub> Zn <sub>y</sub> Al <sub>(x+y)</sub> /2-layered double hydroxide (LDH). <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 411, 240-6	9.3	17
115	Fe(CN) <sub>6</sub> <sup>3-</sup> /Fe(CN) <sub>6</sub> <sup>4-</sup> redox in the interlayer determined by the charge density of ZnCr-layered double hydroxides. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 198, 506-510	3.3	5
114	Reduction in the size of layered double hydroxide nanoparticles enhances the efficiency of siRNA delivery. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 390, 275-81	9.3	60
113	Penetration of nanoparticles into human skin. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 6353-66	3.3	40
112	Adsorption of bacteria onto layered double hydroxide particles to form biogranule-like aggregates. <i>Applied Clay Science</i> , <b>2013</b> , 75-76, 39-45	5.2	15
111	Tuning core-shell SiO <sub>2</sub> @CdTe@SiO <sub>2</sub> fluorescent nanoparticles for cell labeling. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 2315-2323	7.3	24
110	Efficient removal of sulfur hexafluoride (SF <sub>6</sub> ) through reacting with recycled electroplating sludge. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6493-9	10.3	29
109	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> , <b>2013</b> , 390, 3-10	9.3	44

108	Restenosis treatments using nanoparticle-based drug delivery systems. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 6330-9	3.3	23
107	Quantum dot-based nanoprobe for in vivo targeted imaging. <i>Current Molecular Medicine</i> , <b>2013</b> , 13, 1549-57	2.67	54
106	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> , <b>2012</b> , 367, 264-71	9.3	75
105	Efficiency of layered double hydroxide nanoparticle-mediated delivery of siRNA is determined by nucleotide sequence. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 369, 453-9	9.3	51
104	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 377, 456-62	9.3	48
103	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> , <b>2012</b> , 113, 239-43	11	55
102	Synthesis of Robust Sandwich-Like SiO <sub>2</sub> @CdTe@SiO <sub>2</sub> Fluorescent Nanoparticles for Cellular Imaging. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 421-423	9.6	52
101	Study on a novel composite membrane for treatment of sewage containing oil. <i>Desalination</i> , <b>2012</b> , 299, 63-69	10.3	8
100	Enhanced remediation of Cr(VI)-contaminated soil by incorporating a calcined-hydrocalumite-based permeable reactive barrier with electrokinetics. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 239-240, 128-34	12.8	14
99	Control Preparation of Zinc Hydroxide Nitrate Nanocrystals and Examination of the Chemical and Structural Stability. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 10325-10332	3.8	63
98	Transformation of alunite residuals into layered double hydroxides and oxides for adsorption of acid red G dye. <i>Applied Clay Science</i> , <b>2012</b> , 70, 1-7	5.2	43
97	Antibody-targeted drug delivery to injured arteries using layered double hydroxide nanoparticles. <i>Advanced Healthcare Materials</i> , <b>2012</b> , 1, 669-73	10.1	36
96	Cobalt zeolites: Preparation, characterization and catalytic properties for N <sub>2</sub> O decomposition. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2012</b> , 7, 502-509	1.3	11
95	Effective removal of pyrophosphate by CaFe-LDH and its mechanism. <i>Chemical Engineering Journal</i> , <b>2012</b> , 179, 72-79	14.7	53
94	Solubility product (K <sub>sp</sub> )-controlled removal of chromate and phosphate by hydrocalumite. <i>Chemical Engineering Journal</i> , <b>2012</b> , 181-182, 251-258	14.7	57
93	Theoretical and experimental analysis of droplet evaporation on solid surfaces. <i>Chemical Engineering Science</i> , <b>2012</b> , 69, 522-529	4.4	141
92	Hydrocalumite Intercalated siRNA: Computational Characterization of the Interlayer Environment. <i>Pharmaceutics</i> , <b>2012</b> , 4, 296-313	6.4	6
91	Graphene buffered galvanic synthesis of graphene-metal hybrids. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13241		21

90	Selective oxidation of biorenewable glycerol with molecular oxygen over Cu-containing layered double hydroxide-based catalysts. <i>Catalysis Science and Technology</i> , <b>2011</b> , 1, 111	5.5	61
89	Catalytic applications of layered double hydroxides and derivatives. <i>Applied Clay Science</i> , <b>2011</b> , 53, 139-150	5.0	291
88	Triphosphate removal processes over ternary CaMgAl-layered double hydroxides. <i>Applied Clay Science</i> , <b>2011</b> , 54, 196-201	5.2	17
87	Regional assessment of ambient volatile organic compounds from biopharmaceutical R&D complex. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 4289-96	10.2	13
86	Cellular trafficking of low molecular weight heparin incorporated in layered double hydroxide nanoparticles in rat vascular smooth muscle cells. <i>Biomaterials</i> , <b>2011</b> , 32, 7234-40	15.6	55
85	Optimization of fermentative biohydrogen production by response surface methodology using fresh leachate as nutrient supplement. <i>Bioresource Technology</i> , <b>2011</b> , 102, 8661-8	11	35
84	Controlled release of ketorolac through nanocomposite films of hydrogel and LDH nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 1253-1264	2.3	17
83	The effect of calcium on the treatment of fresh leachate in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5466-72	11	32
82	Fermentative hydrogen production from fresh leachate in batch and continuous bioreactors. <i>Bioresource Technology</i> , <b>2011</b> , 102, 5411-7	11	16
81	Synthesis of well-dispersed layered double hydroxide core@ordered mesoporous silica shell nanostructure (LDH@mSiO <sub>2</sub> ) and its application in drug delivery. <i>Nanoscale</i> , <b>2011</b> , 3, 4069-73	7.7	61
80	Synthesis of nanorattles with layered double hydroxide core and mesoporous silica shell as delivery vehicles. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10641		53
79	Sulfur-Resistant NO Decomposition Catalysts Derived From Co <sub>3</sub> O <sub>4</sub> /TiAl Hydrotalcite-like Compounds. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6651-6660	3.8	20
78	Enhanced removal of triphosphate by MgCaFe-Cl-LDH: synergism of precipitation with intercalation and surface uptake. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 586-94	12.8	62
77	Reinvestigation of Dehydration and Dehydroxylation of Hydrotalcite-like Compounds through Combined TG-DTA-MS Analyses. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10768-10774	3.8	61
76	Effective Cr(VI) Removal from Simulated Groundwater through the Hydrotalcite-Derived Adsorbent. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 2752-2758	3.9	38
75	Synthesis and Characterization of Dual Radiolabeled Layered Double Hydroxide Nanoparticles for Use in In Vitro and In Vivo Nanotoxicology Studies. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 734-740	3.8	21
74	Fluorescent layered double hydroxide nanoparticles for biological studies. <i>Applied Clay Science</i> , <b>2010</b> , 48, 271-279	5.2	45
73	Synthesis, structure and morphology of organic layered double hydroxide (LDH) hybrids: Comparison between aliphatic anions and their oxygenated analogs. <i>Applied Clay Science</i> , <b>2010</b> , 48, 235-242	5.2	72

72	Controlled preparation of layered double hydroxide nanoparticles and their application as gene delivery vehicles. <i>Applied Clay Science</i> , <b>2010</b> , 48, 280-289	5.2	93
71	Structure and catalytic properties of Sn-containing layered double hydroxides synthesized in the presence of dodecylsulfate and dodecylamine. <i>Applied Clay Science</i> , <b>2010</b> , 48, 569-574	5.2	49
70	Computer Modeling Study for Intercalation of Drug Heparin into Layered Double Hydroxide. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12618-12629	3.8	15
69	Removal efficiency of arsenate and phosphate from aqueous solution using layered double hydroxide materials: intercalation vs. precipitation. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 4684		118
68	Effective self-purification of polynary metal electroplating wastewaters through formation of layered double hydroxides. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 8884-90	10.3	44
67	Enhanced effects of low molecular weight heparin intercalated with layered double hydroxide nanoparticles on rat vascular smooth muscle cells. <i>Biomaterials</i> , <b>2010</b> , 31, 5455-62	15.6	62
66	Effective removal of selenate from aqueous solutions by the Friedel phase. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 176, 193-8	12.8	60
65	Layered double hydroxide nanoparticles incorporating terbium: applicability as a fluorescent probe and morphology modifier. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 111-120	2.3	31
64	Comprehensive investigation of Pd/ZSM-5/MCM-48 composite catalysts with enhanced activity and stability for benzene oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 96, 466-475	21.8	82
63	Ferrite materials prepared from two industrial wastes: Electroplating sludge and spent pickle liquor. <i>Separation and Purification Technology</i> , <b>2010</b> , 75, 210-217	8.3	32
62	Efficient delivery of siRNA to cortical neurons using layered double hydroxide nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 8770-9	15.6	124
61	Effective bio-treatment of fresh leachate from pretreated municipal solid waste in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , <b>2010</b> , 101, 1447-52	11	41
60	Efficient siRNA delivery to mammalian cells using layered double hydroxide nanoparticles. <i>Biomaterials</i> , <b>2010</b> , 31, 1821-9	15.6	151
59	Studies on adsorption of phenol and 4-nitrophenol on MgAl-mixed oxide derived from MgAl-layered double hydroxide. <i>Separation and Purification Technology</i> , <b>2009</b> , 67, 194-200	8.3	63
58	Influence of M cations on structural, thermal and electrical properties of new oxygen selective membranes based on SrCo <sub>0.95</sub> M <sub>0.05</sub> O <sub>3-<math>\delta</math></sub> perovskite. <i>Separation and Purification Technology</i> , <b>2009</b> , 67, 304-311	8.3	54
57	Effective removal and fixation of Cr(VI) from aqueous solution with Friedel's salt. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 170, 1086-92	12.8	65
56	NO(x) decomposition, storage and reduction over novel mixed oxide catalysts derived from hydrotalcite-like compounds. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 333, 423-30	9.3	37
55	A comprehensive investigation of influences of NO and O <sub>2</sub> on N <sub>2</sub> O-SCR by CH <sub>4</sub> over Fe-USY zeolite. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 91, 262-268	21.8	9

54	MgCoAlLDH derived heterogeneous catalysts for the ethanol transesterification of canola oil to biodiesel. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 88, 42-49	21.8	131
53	Layered double hydroxide nanoparticles in gene and drug delivery. <i>Expert Opinion on Drug Delivery</i> , <b>2009</b> , 6, 907-22	8	218
52	Intercalation of Sulfonate into Layered Double Hydroxide: Comparison of Simulation with Experiment. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 559-566	3.8	38
51	Comparative Studies on Porous Material-Supported Pd Catalysts for Catalytic Oxidation of Benzene, Toluene, and Ethyl Acetate. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2009</b> , 48, 6930-6938	3.9	80
50	Phosphonic acid functionalized silicas for intermediate temperature proton conduction. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 2363		46
49	Porous Silica Nanospheres Functionalized with Phosphonic Acid as Intermediate-Temperature Proton Conductors. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 3157-3163	3.8	41
48	Subcellular compartment targeting of layered double hydroxide nanoparticles. <i>Journal of Controlled Release</i> , <b>2008</b> , 130, 86-94	11.7	209
47	Cover story. Non-viral gene and drug delivery. <i>Journal of Controlled Release</i> , <b>2008</b> , 130, 1	11.7	
46	In Vitro Sustained Release of LMWH from MgAl-layered Double Hydroxide Nanohybrids. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3715-3722	9.6	219
45	Wet ion exchanged Fe-USY catalyst for effective N <sub>2</sub> O decomposition. <i>Catalysis Communications</i> , <b>2008</b> , 9, 1745-1748	3.2	9
44	High-temperature adsorption of carbon dioxide on mixed oxides derived from hydrotalcite-like compounds. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 614-8	10.3	114
43	Effect of SO <sub>x</sub> Adsorption on Layered Double Hydroxides for CO <sub>2</sub> Capture. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 7357-7360	3.9	38
42	Influence of Water on High-Temperature CO <sub>2</sub> Capture Using Layered Double Hydroxide Derivatives. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2008</b> , 47, 2630-2635	3.9	125
41	Surface charging of layered double hydroxides during dynamic interactions of anions at the interfaces. <i>Journal of Colloid and Interface Science</i> , <b>2008</b> , 326, 522-9	9.3	109
40	Novel Nafion composite membranes with mesoporous silica nanospheres as inorganic fillers. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 664-669	8.9	94
39	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N <sub>2</sub> O decomposition. <i>Applied Catalysis A: General</i> , <b>2008</b> , 344, 131-141	5.1	60
38	Zr(HPO <sub>4</sub> ) <sub>2</sub> based organic/inorganic nanohybrids as new proton conductors. <i>Solid State Ionics</i> , <b>2008</b> , 178, 1654-1659	3.3	6
37	Novel NO trapping catalysts derived from Co-Mg/X-Al (X=Fe, Mn, Zr, La) hydrotalcite-like compounds. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 1399-404	10.3	42

36	Fe-USY zeolite catalyst for effective decomposition of nitrous oxide. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 7901-6	10.3	33
35	Enhancement of relaxivity rates of Gd-DTPA complexes by intercalation into layered double hydroxide nanoparticles. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 2824-30	4.8	67
34	Bioceramic macrocapsules for cell immunoisolation. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3062-5	16.4	3
33	A novel color removal adsorbent from heterocoagulation of cationic and anionic clays. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 308, 191-9	9.3	60
32	From Chelating Precursor to Perovskite Oxides and Hollow Fiber Membranes. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 84-91	3.8	7
31	New biosensors made of specially designed transparent chips with nano-optical tags. <i>Smart Materials and Structures</i> , <b>2007</b> , 16, 2214-2221	3.4	4
30	Proton conduction of ordered mesoporous silica-methanesulfonic acid hybrids. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 817-820	1.8	
29	Competitive Intercalation of Sulfonates into Layered Double Hydroxides (LDHs): the Key Role of Hydrophobic Interactions. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 4021-4026	3.8	61
28	Effective NO <sub>x</sub> Decomposition and Storage/Reduction over Mixed Oxides Derived from Layered Double Hydroxides. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2007</b> , 46, 5794-5797	3.9	22
27	Novel Ru/Mg/Al Catalyst Derived from Hydrotalcite-like Compound for NO Storage/Decomposition/Reduction. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10552-10559	3.8	29
26	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. <i>International Journal of Nanomedicine</i> , <b>2007</b> , 2, 163-74	7.3	81
25	Adsorption/desorption studies of NO <sub>x</sub> on well-mixed oxides derived from Co-Mg/Al Hydrotalcite-like compounds. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 4291-300	3.4	119
24	Dispersion and size control of layered double hydroxide nanoparticles in aqueous solutions. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 16923-9	3.4	243
23	Layered Double Hydroxides for CO <sub>2</sub> Capture: Structure Evolution and Regeneration. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2006</b> , 45, 7504-7509	3.9	233
22	Layered double hydroxide nanomaterials as potential cellular drug delivery agents. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 1771-1779	2.1	113
21	Stable suspension of layered double hydroxide nanoparticles in aqueous solution. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 36-7	16.4	333
20	Inorganic nanoparticles as carriers for efficient cellular delivery. <i>Chemical Engineering Science</i> , <b>2006</b> , 61, 1027-1040	4.4	725
19	The effect of Zn, Al layered double hydroxide on thermal decomposition of poly(vinyl chloride). <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 3237-3244	4.7	63



18	Hydrothermal Synthesis of Layered Double Hydroxides (LDHs) from Mixed MgO and Al <sub>2</sub> O <sub>3</sub> : LDH Formation Mechanism. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1055-1062	9.6	290
17	Layered Double Hydroxides (LDHs). <i>ChemInform</i> , <b>2005</b> , 36, no		13
16	Unusual Hydrocarbon Chain Packing Mode and Modification of Crystallite Growth Habit in the Self-Assembled Nanocomposites Zinc-Aluminum-Hydroxide Oleate and Elaidate (cis- and trans-[Zn <sub>2</sub> Al(OH) <sub>6</sub> (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>7</sub> CHCH(CH <sub>2</sub> ) <sub>7</sub> COO-)]) and Magnesium Analogues. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2750-2756	9.6	64
15	High affinity of dodecylbenzene sulfonate for layered double hydroxide and resulting morphological changes. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 268-273		128
14	Decomposition Pathways of Hydrotalcite-like Compounds Mg <sub>1-x</sub> Al <sub>x</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>x</sub> ·nH <sub>2</sub> O as a Continuous Function of Nitrate Anions. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4564-4572	9.6	106
13	Abrupt Structural Transformation in Hydrotalcite-like Compounds Mg <sub>1-x</sub> Al <sub>x</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>x</sub> ·nH <sub>2</sub> O as a Continuous Function of Nitrate Anions. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 1743-1749	3.4	265
12	Ionic Interactions in Crystallite Growth of CoMgAl-hydrotalcite-like Compounds. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 4555-4563	9.6	40
11	Sulfate-Functionalized Carbon/Metal-Oxide Nanocomposites from Hydrotalcite-like Compounds. <i>Nano Letters</i> , <b>2001</b> , 1, 703-706	11.5	36
10	Low-Temperature Synthesis of Mg <sub>x</sub> Co <sub>1-x</sub> Co <sub>2</sub> O <sub>4</sub> Spinel Catalysts for N <sub>2</sub> O Decomposition. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 650-658	9.6	110
9	Decomposition Processes of Organic-Anion-Pillared Clays Co <sub>a</sub> Mg <sub>b</sub> Al(OH) <sub>c</sub> (TA) <sub>d</sub> ·nH <sub>2</sub> O. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 10206-10214	3.4	77
8	Control of Surface Area and Porosity of Co <sub>3</sub> O <sub>4</sub> via Intercalation of Oxidative or Nonoxidative Anions in Hydrotalcite-like Precursors. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 3459-3465	9.6	69
7	In-Situ Generation of Maximum Trivalent Cobalt in Synthesis of Hydrotalcite-like Compounds Mg <sub>x</sub> Co <sub>1-x-y</sub> Co <sub>II</sub> <sub>y</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>y</sub> ·nH <sub>2</sub> O. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 2597-2603	9.6	34
6	Interconversion of Brucite-like and Hydrotalcite-like Phases in Cobalt Hydroxide Compounds. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 67-74	9.6	194
5	Synthesis of Non-Al-Containing Hydrotalcite-like Compound Mg <sub>0.3</sub> Co <sub>II</sub> <sub>0.6</sub> Co <sub>III</sub> <sub>0.2</sub> (OH) <sub>2</sub> (NO <sub>3</sub> ) <sub>0.2</sub> ·nH <sub>2</sub> O. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 2277-2283	9.6	46
4	Thermal evolution of cobalt hydroxides: a comparative study of their various structural phases. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 2499-2506		138
3	Layered Double Hydroxides: Self-Assembly and Multiple Phases 2056-2066		1
2	Material Nanotechnology Is Sustaining Modern Agriculture. <i>ACS Agricultural Science and Technology</i> ,		1
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