

Zhi Ping Xu

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287
papers

13,469
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61
h-index

103
g-index

297
ext. papers

15,674
ext. citations

8
avg, IF

6.86
L-index

#	Paper	IF	Citations
287	Inorganic nanoparticles as carriers for efficient cellular delivery. <i>Chemical Engineering Science</i> , 2006 , 61, 1027-1040	4.4	725
286	Clay nanosheets for topical delivery of RNAi for sustained protection against plant viruses. <i>Nature Plants</i> , 2017 , 3, 16207	11.5	406
285	Stable suspension of layered double hydroxide nanoparticles in aqueous solution. <i>Journal of the American Chemical Society</i> , 2006 , 128, 36-7	16.4	333
284	Catalytic applications of layered double hydroxides and derivatives. <i>Applied Clay Science</i> , 2011 , 53, 139-150	5.0	291
283	Hydrothermal Synthesis of Layered Double Hydroxides (LDHs) from Mixed MgO and Al ₂ O ₃ : LDH Formation Mechanism. <i>Chemistry of Materials</i> , 2005 , 17, 1055-1062	9.6	290
282	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	3.4	265
281	Hierarchical layered double hydroxide nanocomposites: structure, synthesis and applications. <i>Chemical Communications</i> , 2015 , 51, 3024-36	5.8	243
280	Dispersion and size control of layered double hydroxide nanoparticles in aqueous solutions. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16923-9	3.4	243
279	Layered Double Hydroxides for CO ₂ Capture: Structure Evolution and Regeneration. <i>Industrial & Engineering Chemistry Research</i> , 2006 , 45, 7504-7509	3.9	233
278	In Vitro Sustained Release of LMWH from MgAl-layered Double Hydroxide Nanohybrids. <i>Chemistry of Materials</i> , 2008 , 20, 3715-3722	9.6	219
277	Layered double hydroxide nanoparticles in gene and drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2009 , 6, 907-22	8	218
276	Co-delivery of siRNAs and anti-cancer drugs using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2014 , 35, 3331-9	15.6	215
275	Subcellular compartment targeting of layered double hydroxide nanoparticles. <i>Journal of Controlled Release</i> , 2008 , 130, 86-94	11.7	209
274	Interconversion of Brucite-like and Hydrotalcite-like Phases in Cobalt Hydroxide Compounds. <i>Chemistry of Materials</i> , 1999 , 11, 67-74	9.6	194
273	PD-L1 Distribution and Perspective for Cancer Immunotherapy-Blockade, Knockdown, or Inhibition. <i>Frontiers in Immunology</i> , 2019 , 10, 2022	8.4	155
272	Efficient siRNA delivery to mammalian cells using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2010 , 31, 1821-9	15.6	151
271	Theoretical and experimental analysis of droplet evaporation on solid surfaces. <i>Chemical Engineering Science</i> , 2012 , 69, 522-529	4.4	141

270	Thermal evolution of cobalt hydroxides: a comparative study of their various structural phases. <i>Journal of Materials Chemistry</i> , 1998 , 8, 2499-2506		138
269	Manganese-Based Layered Double Hydroxide Nanoparticles as a T-MRI Contrast Agent with Ultrasensitive pH Response and High Relaxivity. <i>Advanced Materials</i> , 2017 , 29, 1700373	24	135
268	MgCoAl-LDH derived heterogeneous catalysts for the ethanol transesterification of canola oil to biodiesel. <i>Applied Catalysis B: Environmental</i> , 2009 , 88, 42-49	21.8	131
267	Recent progress in upconversion luminescence nanomaterials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 192-209	7.3	130
266	High affinity of dodecylbenzene sulfonate for layered double hydroxide and resulting morphological changes. <i>Journal of Materials Chemistry</i> , 2003 , 13, 268-273		128
265	Influence of Water on High-Temperature CO ₂ Capture Using Layered Double Hydroxide Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 2630-2635	3.9	125
264	Efficient delivery of siRNA to cortical neurons using layered double hydroxide nanoparticles. <i>Biomaterials</i> , 2010 , 31, 8770-9	15.6	124
263	Adsorption/desorption studies of NO _x on well-mixed oxides derived from Co-Mg/Al Hydrotalcite-like compounds. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 4291-300	3.4	119
262	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		118
261	High-temperature adsorption of carbon dioxide on mixed oxides derived from hydrotalcite-like compounds. <i>Environmental Science & Technology</i> , 2008 , 42, 614-8	10.3	114
260	Layered double hydroxide nanomaterials as potential cellular drug delivery agents. <i>Pure and Applied Chemistry</i> , 2006 , 78, 1771-1779	2.1	113
259	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	9.6	110
258	Surface charging of layered double hydroxides during dynamic interactions of anions at the interfaces. <i>Journal of Colloid and Interface Science</i> , 2008 , 326, 522-9	9.3	109
257	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	9.6	106
256	Manipulating extracellular tumour pH: an effective target for cancer therapy.. <i>RSC Advances</i> , 2018 , 8, 22182-22192	3.7	98
255	Ultra-small fluorescent inorganic nanoparticles for bioimaging. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 2793-2818	7.3	94
254	Novel Nafion composite membranes with mesoporous silica nanospheres as inorganic fillers. <i>Journal of Power Sources</i> , 2008 , 185, 664-669	8.9	94
253	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	93

252	"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	16.4	83
251	Diagnostic imaging and therapeutic application of nanoparticles targeting the liver. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 939-958	7.3	82
250	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	21.8	82
249	Layered double hydroxide nanoparticles as cellular delivery vectors of supercoiled plasmid DNA. <i>International Journal of Nanomedicine</i> , 2007 , 2, 163-74	7.3	81
248	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, 6930-6938	3.9	80
247	Decomposition Processes of Organic-Anion-Pillared Clays Co ₂ MgAl(OH) ₆ (TA) ₂ ·nH ₂ O. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 10206-10214	3.4	77
246	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	9.3	75
245	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	7.3	74
244	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. <i>ACS Nano</i> , 2016 , 10, 387-956.7	5.7	72
243	Potential for layered double hydroxides-based, innovative drug delivery systems. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 7409-28	6.3	72
242	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	72
241	Recent advances in the development of responsive probes for selective detection of cysteine. <i>Coordination Chemistry Reviews</i> , 2020 , 408, 213182	23.2	70
240	Amine-functionalized SiO ₂ nanodot-coated layered double hydroxide nanocomposites for enhanced gene delivery. <i>Nano Research</i> , 2015 , 8, 682-694	10	70
239	Nanoparticle-Based Nanomedicines to Promote Cancer Immunotherapy: Recent Advances and Future Directions. <i>Small</i> , 2019 , 15, e1900262	11	69
238	Induction of virus resistance by exogenous application of double-stranded RNA. <i>Current Opinion in Virology</i> , 2017 , 26, 49-55	7.5	69
237	Control of Surface Area and Porosity of Co ₃ O ₄ via Intercalation of Oxidative or Nonoxidative Anions in Hydroxide-like Precursors. <i>Chemistry of Materials</i> , 2000 , 12, 3459-3465	9.6	69
236	Enhancement of relaxivity rates of Gd-DTPA complexes by intercalation into layered double hydroxide nanoparticles. <i>Chemistry - A European Journal</i> , 2007 , 13, 2824-30	4.8	67
235	Effective removal and fixation of Cr(VI) from aqueous solution with Friedel's salt. <i>Journal of Hazardous Materials</i> , 2009 , 170, 1086-92	12.8	65

234	A review on fabricating heterostructures from layered double hydroxides for enhanced photocatalytic activities. <i>Catalysis Science and Technology</i> , 2018 , 8, 1207-1228	5.5	64
233	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 ₂ Al(OH) ₆ (CH ₃ (CH ₂) ₇ CH=CH(CH ₂) ₇ COO-)] and Magnesium Analogues. <i>Chemistry of Materials</i> , 2004 , 16, 2750-2756	9.6	64
232	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	3.8	63
231	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	8.3	63
230	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	4.7	63
229	Enhanced removal of triphosphate by MgCaFe-Cl-LDH: synergism of precipitation with intercalation and surface uptake. <i>Journal of Hazardous Materials</i> , 2011 , 189, 586-94	12.8	62
228	Enhanced effects of low molecular weight heparin intercalated with layered double hydroxide nanoparticles on rat vascular smooth muscle cells. <i>Biomaterials</i> , 2010 , 31, 5455-62	15.6	62
227	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	7.3	61
226	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	5.5	61
225	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	3.8	61
224	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, 4069-73	7.7	61
223	Competitive Intercalation of Sulfonates into Layered Double Hydroxides (LDHs): the Key Role of Hydrophobic Interactions. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4021-4026	3.8	61
222	Increased PD-L1 expression in breast and colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017 , 44, 602-604	3	60
221	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, 275-81	9.3	60
220	Effective removal of selenate from aqueous solutions by the Friedel phase. <i>Journal of Hazardous Materials</i> , 2010 , 176, 193-8	12.8	60
219	A novel color removal adsorbent from heterocoagulation of cationic and anionic clays. <i>Journal of Colloid and Interface Science</i> , 2007 , 308, 191-9	9.3	60
218	Iron-exchanged FAU zeolites: Preparation, characterization and catalytic properties for N ₂ O decomposition. <i>Applied Catalysis A: General</i> , 2008 , 344, 131-141	5.1	60
217	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , 2020 , 4, 1900343	12.8	59

216	Novel theranostic nanoplatform for complete mice tumor elimination via MR imaging-guided acid-enhanced photothermo-/chemo-therapy. <i>Biomaterials</i> , 2018 , 177, 40-51	15.6	59
215	PI3K/Akt/mTOR pathway dual inhibitor BEZ235 suppresses the stemness of colon cancer stem cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015 , 42, 1317-26	3	58
214	Solubility product (K _{sp})-controlled removal of chromate and phosphate by hydrocalumite. <i>Chemical Engineering Journal</i> , 2012 , 181-182, 251-258	14.7	57
213	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	9.5	56
212	Efficient co-delivery of neo-epitopes using dispersion-stable layered double hydroxide nanoparticles for enhanced melanoma immunotherapy. <i>Biomaterials</i> , 2018 , 174, 54-66	15.6	55
211	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, 21-5	9.3	55
210	Polarized immune responses modulated by layered double hydroxides nanoparticle conjugated with CpG. <i>Biomaterials</i> , 2014 , 35, 9508-16	15.6	55
209	Inhibitory effect of high-strength ammonia nitrogen on bio-treatment of landfill leachate using EGSB reactor under mesophilic and atmospheric conditions. <i>Bioresour. Technol.</i> , 2012 , 113, 239-43	11	55
208	Cellular trafficking of low molecular weight heparin incorporated in layered double hydroxide nanoparticles in rat vascular smooth muscle cells. <i>Biomaterials</i> , 2011 , 32, 7234-40	15.6	55
207	Influence of M cations on structural, thermal and electrical properties of new oxygen selective membranes based on SrCo _{0.95} M _{0.05} O _{3-δ} perovskite. <i>Separation and Purification Technology</i> , 2009 , 67, 304-311	8.3	54
206	Quantum dot-based nanoprobe for in vivo targeted imaging. <i>Current Molecular Medicine</i> , 2013 , 13, 1549-67	2.67	54
205	Effective removal of pyrophosphate by CaFe ₂ EDH and its mechanism. <i>Chemical Engineering Journal</i> , 2012 , 179, 72-79	14.7	53
204	Synthesis of nanorattles with layered double hydroxide core and mesoporous silica shell as delivery vehicles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10641		53
203	Efficient drug delivery using SiO ₂ -layered double hydroxide nanocomposites. <i>Journal of Colloid and Interface Science</i> , 2016 , 470, 47-55	9.3	52
202	Synthesis of Robust Sandwich-Like SiO ₂ @CdTe@SiO ₂ Fluorescent Nanoparticles for Cellular Imaging. <i>Chemistry of Materials</i> , 2012 , 24, 421-423	9.6	52
201	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, 453-9	9.3	51
200	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> , 2018 , 10, 4258-4266	7.7	50
199	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	5.2	49

198	Influence of surface orientation on the organization of nanoparticles in drying nanofluid droplets. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 456-62	9.3	48
197	Phosphonic acid functionalized silicas for intermediate temperature proton conduction. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2363		46
196	Synthesis of Non-Al-Containing Hydrotalcite-like Compound Mg _{0.3} CoII _{0.6} CoIII _{0.2} (OH) ₂ (NO ₃) _{0.2} ·H ₂ O. <i>Chemistry of Materials</i> , 1998 , 10, 2277-2283	9.6	46
195	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	7.3	46
194	Fluorescent layered double hydroxide nanoparticles for biological studies. <i>Applied Clay Science</i> , 2010 , 48, 271-279	5.2	45
193	Engineering a Therapy-Induced Immunogenic Cancer Cell Death Amplifier to Boost Systemic Tumor Elimination. <i>Advanced Functional Materials</i> , 2020 , 30, 1909745	15.6	44
192	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	9.3	44
191	Effective self-purification of polynary metal electroplating wastewaters through formation of layered double hydroxides. <i>Environmental Science & Technology</i> , 2010 , 44, 8884-90	10.3	44
190	Efficient selective catalytic reduction of NO by novel carbon-doped metal catalysts made from electroplating sludge. <i>Environmental Science & Technology</i> , 2014 , 48, 11497-503	10.3	43
189	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	43
188	Novel NO trapping catalysts derived from Co-Mg/X-Al (X=Fe, Mn, Zr, La) hydrotalcite-like compounds. <i>Environmental Science & Technology</i> , 2007 , 41, 1399-404	10.3	42
187	Efficient and Durable Vaccine against Intimin of Diarrheagenic E. Coli Induced by Clay Nanoparticles. <i>Small</i> , 2016 , 12, 1627-39	11	42
186	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	4.8	41
185	Porous Silica Nanospheres Functionalized with Phosphonic Acid as Intermediate-Temperature Proton Conductors. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3157-3163	3.8	41
184	Effective bio-treatment of fresh leachate from pretreated municipal solid waste in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , 2010 , 101, 1447-52	11	41
183	Crosslinking to enhance colloidal stability and redispersity of layered double hydroxide nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015 , 459, 10-16	9.3	40
182	Penetration of nanoparticles into human skin. <i>Current Pharmaceutical Design</i> , 2013 , 19, 6353-66	3.3	40
181	Ionic Interactions in Crystallite Growth of CoMgAl-hydrotalcite-like Compounds. <i>Chemistry of Materials</i> , 2001 , 13, 4555-4563	9.6	40

180	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015 , 5, 16930	4.9	39
179	Effective Cr(VI) Removal from Simulated Groundwater through the Hydrotalcite-Derived Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 2752-2758	3.9	38
178	Intercalation of Sulfonate into Layered Double Hydroxide: Comparison of Simulation with Experiment. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 559-566	3.8	38
177	Effect of SO _x Adsorption on Layered Double Hydroxides for CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 7357-7360	3.9	38
176	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	5.6	37
175	NO(x) decomposition, storage and reduction over novel mixed oxide catalysts derived from hydrotalcite-like compounds. <i>Journal of Colloid and Interface Science</i> , 2009 , 333, 423-30	9.3	37
174	Responsive Upconversion Nanoprobe for Background-Free Hypochlorous Acid Detection and Bioimaging. <i>Small</i> , 2019 , 15, e1803712	11	37
173	Antibody-targeted drug delivery to injured arteries using layered double hydroxide nanoparticles. <i>Advanced Healthcare Materials</i> , 2012 , 1, 669-73	10.1	36
172	Sulfate-Functionalized Carbon/Metal-Oxide Nanocomposites from Hydrotalcite-like Compounds. <i>Nano Letters</i> , 2001 , 1, 703-706	11.5	36
171	Optimization of fermentative biohydrogen production by response surface methodology using fresh leachate as nutrient supplement. <i>Bioresource Technology</i> , 2011 , 102, 8661-8	11	35
170	In-Situ Generation of Maximum Trivalent Cobalt in Synthesis of Hydrotalcite-like Compounds Mg _x Co _{11-x} yCo _{11y} (OH) ₂ (NO ₃) _y ·nH ₂ O. <i>Chemistry of Materials</i> , 2000 , 12, 2597-2603	9.6	34
169	Intravital multiphoton imaging of the selective uptake of water-dispersible quantum dots into sinusoidal liver cells. <i>Small</i> , 2015 , 11, 1711-20	11	33
168	Fe-USY zeolite catalyst for effective decomposition of nitrous oxide. <i>Environmental Science & Technology</i> , 2007 , 41, 7901-6	10.3	33
167	Turn-On Fluorescence Probe for Nitric Oxide Detection and Bioimaging in Live Cells and Zebrafish. <i>ACS Sensors</i> , 2019 , 4, 309-316	9.2	33
166	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	9.5	32
165	Activatable magnetic resonance nanosensor as a potential imaging agent for detecting and discriminating thrombosis. <i>Nanoscale</i> , 2018 , 10, 15103-15115	7.7	32
164	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	9.3	32
163	The effect of calcium on the treatment of fresh leachate in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , 2011 , 102, 5466-72	11	32

162	Ferrite materials prepared from two industrial wastes: Electroplating sludge and spent pickle liquor. <i>Separation and Purification Technology</i> , 2010 , 75, 210-217	8.3	32
161	Layered double hydroxide nanoparticles incorporating terbium: applicability as a fluorescent probe and morphology modifier. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 111-120	2.3	31
160	Brain Targeting Delivery Facilitated by Ligand-Functionalized Layered Double Hydroxide Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20326-20333	9.5	31
159	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	6	30
158	Real-time histology in liver disease using multiphoton microscopy with fluorescence lifetime imaging. <i>Biomedical Optics Express</i> , 2015 , 6, 780-92	3.5	29
157	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> , 2015 , 115, 41-53	4.1	29
156	Efficient removal of sulfur hexafluoride (SF6) through reacting with recycled electroplating sludge. <i>Environmental Science & Technology</i> , 2013 , 47, 6493-9	10.3	29
155	Novel RuMgAl Catalyst Derived from Hydrotalcite-like Compound for NO Storage/Decomposition/Reduction. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10552-10559	3.8	29
154	Nanotechnology in the management of cervical cancer. <i>Reviews in Medical Virology</i> , 2015 , 25 Suppl 1, 72-83	11.7	28
153	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> , 2019 , 15, e1902309	11	28
152	Engineering small MgAl-layered double hydroxide nanoparticles for enhanced gene delivery. <i>Applied Clay Science</i> , 2014 , 100, 66-75	5.2	28
151	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	4.8	28
150	Nano- and micro-materials in the treatment of internal bleeding and uncontrolled hemorrhage. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 507-519	6	28
149	Physiologically Based Pharmacokinetic Model for Long-Circulating Inorganic Nanoparticles. <i>Nano Letters</i> , 2016 , 16, 939-45	11.5	27
148	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> , 2017 , 5, 7194-7203	7.3	27
147	Clay Nanoparticles Elicit Long-Term Immune Responses by Forming Biodegradable Depots for Sustained Antigen Stimulation. <i>Small</i> , 2018 , 14, e1704465	11	27
146	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	1.7	25
145	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	9.5	25

144	Visualizing liver anatomy, physiology and pharmacology using multiphoton microscopy. <i>Journal of Biophotonics</i> , 2017 , 10, 46-60	3.1	24
143	Tuning core-shell SiO@CdTe@SiO fluorescent nanoparticles for cell labeling. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2315-2323	7.3	24
142	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> , 2016 , 11, 1947-58	7.3	24
141	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	6	24
140	Shape-Controlled Hollow Mesoporous Silica Nanoparticles with Multifunctional Capping for In Vitro Cancer Treatment. <i>Chemistry - A European Journal</i> , 2017 , 23, 10878-10885	4.8	23
139	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	9.3	23
138	Catalytic ammonia decomposition for CO-free hydrogen generation over Ru/Cr2O3 catalysts. <i>Applied Catalysis A: General</i> , 2013 , 467, 246-252	5.1	23
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