

Jin-Ho Choy

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intercalative Nanohybrids of Nucleoside Monophosphates and DNA in Layered Metal Hydroxide. <i>Journal of the American Chemical Society</i> , 1999, 121, 1399-1400.	13.7	624
2	Inorganic Layered Double Hydroxides as Nonviral Vectors. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4041-4045.	13.8	576
3	Clay minerals and layered double hydroxides for novel biological applications. <i>Applied Clay Science</i> , 2007, 36, 122-132.	5.2	558
4	Fine Tuning of the Face Orientation of ZnO Crystals to Optimize Their Photocatalytic Activity. <i>Advanced Materials</i> , 2006, 18, 3309-3312.	21.0	552
5	Mesoporous carbon nitrides: synthesis, functionalization, and applications. <i>Chemical Society Reviews</i> , 2017, 46, 72-101.	38.1	534
6	Layered double hydroxide as an efficient drug reservoir for folate derivatives. <i>Biomaterials</i> , 2004, 25, 3059-3064.	11.4	401
7	Soft Solution Route to Directionally Grown ZnO Nanorod Arrays on Si Wafer; Room-Temperature Ultraviolet Laser. <i>Advanced Materials</i> , 2003, 15, 1911-1914.	21.0	285
8	The effect of synthetic conditions on tailoring the size of hydrotalcite particles. <i>Solid State Ionics</i> , 2002, 151, 285-291.	2.7	267
9	Remarkable Capacity Retention of Nanostructured Manganese Oxide upon Cycling as an Electrode Material for Supercapacitor. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6303-6309.	3.1	239
10	Toxicological effects of inorganic nanoparticles on human lung cancer A549 cells. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 463-471.	3.5	227
11	New Inorganic-Based Drug Delivery System of Indole-3-Acetic Acid-Layered Metal Hydroxide Nanohybrids with Controlled Release Rate. <i>Chemistry of Materials</i> , 2007, 19, 2679-2685.	6.7	225
12	Cellular Uptake Mechanism of an Inorganic Nanovehicle and Its Drug Conjugates: Enhanced Efficacy Due To Clathrin-Mediated Endocytosis. <i>Bioconjugate Chemistry</i> , 2006, 17, 1411-1417.	3.6	224
13	Cellular uptake behavior of [¹³² P] labeled ATP-LDH nanohybrids. <i>Journal of Materials Chemistry</i> , 2001, 11, 1671-1674.	6.7	206
14	Controlled release of donepezil intercalated in smectite clays. <i>International Journal of Pharmaceutics</i> , 2008, 359, 198-204.	5.2	202
15	Layered nanomaterials for green materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 2553.	6.7	198
16	Inorganic Drug Delivery Nanovehicle Conjugated with Cancer-Specific Ligand. <i>Advanced Functional Materials</i> , 2009, 19, 1617-1624.	14.9	184
17	Inorganic Metal Hydroxide Nanoparticles for Targeted Cellular Uptake Through Clathrin-Mediated Endocytosis. <i>Chemistry - an Asian Journal</i> , 2009, 4, 67-73.	3.3	174
18	Layered double hydroxide nanoparticles as target-specific delivery carriers: uptake mechanism and toxicity. <i>Nanomedicine</i> , 2011, 6, 803-814.	3.3	169

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19	Heterostructured Visible-Light-Active Photocatalyst of Chromia-Nanoparticle-Layered Titanate. <i>Advanced Functional Materials</i> , 2007, 17, 307-314.	14.9	165
20	Bio-LDH nanohybrid for gene therapy. <i>Solid State Ionics</i> , 2002, 151, 229-234.	2.7	157
21	Efficient delivery of anticancer drug MTX through MTX-LDH nanohybrid system. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1024-1027.	4.0	155
22	Relationship between Chemical Bonding Nature and Electrochemical Property of LiMn ₂ O ₄ Spinel Oxides with Various Particle Sizes: a "Electrochemical Grafting" Concept. <i>Journal of Physical Chemistry B</i> , 1999, 103, 2100-2106.	2.6	137
23	Inorganic delivery vector for intravenous injection. <i>Biomaterials</i> , 2004, 25, 5995-6001.	11.4	135
24	Exfoliation of layered perovskite, KCa ₂ Nb ₃ O ₁₀ , into colloidal nanosheets by a novel chemical process. <i>Journal of Materials Chemistry</i> , 2001, 11, 1277-1282.	6.7	128
25	Pharmacokinetics, tissue distribution, and excretion of zinc oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2012, 7, 3081.	6.7	121
26	A novel synthetic route to TiO ₂ -pillared layered titanate with enhanced photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2001, 11, 2232-2234.	6.7	117
27	Biodegradable Inorganic Nanovector: Passive versus Active Tumor Targeting in siRNA Transportation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4582-4586.	13.8	117
28	XANES and EXAFS Studies on the Ir-O Bond Covalency in Ionic Iridium Perovskites. <i>Journal of the American Chemical Society</i> , 1995, 117, 8557-8566.	13.7	114
29	Exfoliation and Restacking Route to Anatase-Layered Titanate Nanohybrid with Enhanced Photocatalytic Activity. <i>Chemistry of Materials</i> , 2002, 14, 2486-2491.	6.7	109
30	Mixed valence Zn ²⁺ /Co-layered double hydroxides and their exfoliated nanosheets with electrode functionality. <i>Journal of Materials Chemistry</i> , 2011, 21, 4286.	6.7	109
31	Inorganic-Biomolecular Hybrid Nanomaterials as a Genetic Molecular Code System. <i>Advanced Materials</i> , 2004, 16, 1181-1184.	21.0	106
32	Bifunctional Heterogeneous Catalysts for Selective Epoxidation and Visible Light Driven Photolysis: Nickel Oxide-Containing Porous Nanocomposite. <i>Advanced Materials</i> , 2008, 20, 539-542.	21.0	106
33	Polymer-inorganic supramolecular nanohybrids for red, white, green, and blue applications. <i>Progress in Polymer Science</i> , 2013, 38, 1442-1486.	24.7	105
34	Layered double hydroxide as novel antibacterial drug delivery system. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 685-688.	4.0	102
35	Human-related application and nanotoxicology of inorganic particles: complementary aspects. <i>Journal of Materials Chemistry</i> , 2008, 18, 615-620.	6.7	101
36	Improved electrochromic performances of NiO based thin films by lithium addition: From single layers to devices. <i>Electrochimica Acta</i> , 2012, 74, 46-52.	5.2	100

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37	Laponite-based nanohybrid for enhanced solubility and controlled release of itraconazole. <i>International Journal of Pharmaceutics</i> , 2008, 349, 283-290.	5.2	99
38	Intracrystalline Structure of Molecular Mercury Halide Intercalated in High-Tc Superconducting Lattice of Bi ₂ Sr ₂ CaCu ₂ O _y . <i>Journal of the American Chemical Society</i> , 1997, 119, 1624-1633.	13.7	98
39	Itraconazole- κ -Laponite: Kinetics and mechanism of drug release. <i>Applied Clay Science</i> , 2008, 40, 99-107.	5.2	97
40	Phosphate-intercalated Ca-Fe-layered double hydroxides: Crystal structure, bonding character, and release kinetics of phosphate. <i>Journal of Solid State Chemistry</i> , 2011, 184, 171-176.	2.9	97
41	TiO ₂ thin-films on polymer substrates and their photocatalytic activity. <i>Thin Solid Films</i> , 2006, 495, 266-271.	1.8	95
42	Soft-Chemical Exfoliation Route to Layered Cobalt Oxide Monolayers and Its Application for Film Deposition and Nanoparticle Synthesis. <i>Chemistry - A European Journal</i> , 2009, 15, 10752-10761.	3.3	95
43	Drug- κ -clay nanohybrids as sustained delivery systems. <i>Applied Clay Science</i> , 2016, 130, 20-32.	5.2	94
44	Mesoporous Iron Oxide-Layered Titanate Nanohybrids: Soft-Chemical Synthesis, Characterization, and Photocatalyst Application. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14853-14862.	3.1	93
45	Anticancer drug encapsulated in inorganic lattice can overcome drug resistance. <i>Journal of Materials Chemistry</i> , 2010, 20, 9463.	6.7	93
46	Cage type mesoporous carbon nitride with large mesopores for CO ₂ capture. <i>Catalysis Today</i> , 2015, 243, 209-217.	4.4	93
47	Anticancer drug-layered hydroxide nanohybrids as potent cancer chemotherapy agents. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1528-1532.	4.0	91
48	Microwave Characteristics of BaO-TiO ₂ Ceramics Prepared via a Citrate Route. <i>Journal of the American Ceramic Society</i> , 1995, 78, 1169-1172.	3.8	90
49	Exfoliation and Reassembling Route to Mesoporous Titania Nanohybrids. <i>Chemistry of Materials</i> , 2006, 18, 1134-1140.	6.7	90
50	Hydrothermal route to ZnO nanocoral reefs and nanofibers. <i>Applied Physics Letters</i> , 2004, 84, 287-289.	3.3	88
51	κ -RuCl ₃ /Polymer Nanocomposites: The First Group of Intercalative Nanocomposites with Transition Metal Halides. <i>Journal of the American Chemical Society</i> , 2000, 122, 6629-6640.	13.7	83
52	Macromolecular Nanoplatelet of Aurivillius-type Layered Perovskite Oxide, Bi ₄ Ti ₃ O ₁₂ . <i>Chemistry of Materials</i> , 2001, 13, 2759-2761.	6.7	83
53	Evolution of Local Structure around Manganese in Layered LiMnO ₂ upon Chemical and Electrochemical Delithiation/Relithiation. <i>Chemistry of Materials</i> , 2000, 12, 1818-1826.	6.7	78
54	Modification of external surface of laponite by silane grafting. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 499-501.	4.0	78

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55	Biocompatible Nanoparticles Intercalated with Anticancer Drug for Target Delivery: Pharmacokinetic and Biodistribution Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2913-2916.	0.9	78
56	LIII-Edge XANES Study on Unusually High Valent Iridium in a Perovskite Lattice. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6258-6262.	2.9	76
57	Emerging nanomaterials with advanced drug delivery functions; focused on methotrexate delivery. <i>Coordination Chemistry Reviews</i> , 2018, 359, 32-51.	18.8	75
58	Review of Clay-Drug Hybrid Materials for Biomedical Applications: Administration Routes. <i>Clays and Clay Minerals</i> , 2016, 64, 115-130.	1.3	74
59	Heterostructured Nanohybrid of Zinc Oxide-Montmorillonite Clay. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1599-1604.	2.6	73
60	Intracrystalline structure of DNA molecules stabilized in the layered double hydroxide. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1028-1031.	4.0	73
61	Safety Aspect of Inorganic Layered Nanoparticles: Size-Dependency <i><i>In Vitro</i></i> and <i><i>In Vivo</i></i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 5297-5301.	0.9	73
62	Determination of ionic valency pairs via lattice constants in ordered perovskites (ALa)(Mn ²⁺ +Mo ⁵⁺)O ₆ (A = Ba, Sr, Ca) with applications to (ALa)(Fe ³⁺ +Mo ⁴⁺)O ₆ , Ba ₂ (Bi ³⁺ +Bi ⁵⁺)O ₆ and Ba ₂ (Bi ³⁺ +Sb ⁵⁺)O ₆ . <i>Journal of Solid State Chemistry</i> , 1977, 20, 233-244.	2.9	71
63	Bio-Resorbable Nanoceramics for Gene and Drug Delivery. <i>MRS Bulletin</i> , 2004, 29, 33-37.	3.5	71
64	Toxicity evaluation of inorganic nanoparticles: considerations and challenges. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 205-210.	1.7	70
65	Toward an Effective Control of the H ₂ to CO Ratio of Syngas through CO ₂ Electroreduction over Immobilized Gold Nanoparticles on Layered Titanate Nanosheets. <i>ACS Catalysis</i> , 2018, 8, 4364-4374.	11.2	69
66	Unilamellar Nanosheet of Layered Manganese Cobalt Nickel Oxide and Its Heterolayered Film with Polycations. <i>ACS Nano</i> , 2010, 4, 4437-4444.	14.6	68
67	LDH Nanocontainers as Bio-Reservoirs and Drug Delivery Carriers. <i>Recent Patents on Nanotechnology</i> , 2012, 6, 200-217.	1.3	68
68	DNA Core@Inorganic Shell. <i>Journal of the American Chemical Society</i> , 2010, 132, 16735-16736.	13.7	67
69	A new single molecular precursor route to fluorine-doped nanocrystalline tin oxide anodes for lithium batteries. <i>Solid State Sciences</i> , 2001, 3, 211-214.	0.7	66
70	Intercalative route to heterostructured nanohybrid. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 373-383.	4.0	64
71	Montmorillonite intercalated with glutathione for antioxidant delivery: Synthesis, characterization, and bioavailability evaluation. <i>International Journal of Pharmaceutics</i> , 2012, 425, 29-34.	5.2	64
72	Cellular uptake and cytotoxicity of octahedral rhenium cluster complexes. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1991-1996.	3.5	62

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73	New CoO \cdot SiO $_2$ -Sol Pillared Clays as Catalysts for NO $_x$ Conversion. Chemistry of Materials, 2002, 14, 3823-3828.	6.7	61
74	Inorganic Nanovehicle Targets Tumor in an Orthotopic Breast Cancer Model. Scientific Reports, 2014, 4, 4430.	3.3	61
75	Single-Step Synthesis, Characterization, and Application of Nanostructured K $_{1-x}$ Mn $_{1-y}$ Co $_y$ O $_2$ with Controllable Chemical Compositions and Crystal Structures. Chemistry of Materials, 2007, 19, 5010-5017.	6.7	60
76	New Superconducting Intercalation Compounds: (HgX $_2$) $_0.5$ Bi $_2$ Sr $_2$ CaCu $_2$ O $_y$ (X = Br and I). Journal of the American Chemical Society, 1994, 116, 11564-11565.	13.7	59
77	Intra- and inter-layer structures of layered hydroxy double salts, Ni $_{1-x}$ Zn $_x$ (OH) $_2$ (CH $_3$ CO $_2$) $_2$ \cdot nH $_2$ O. Materials Letters, 1998, 34, 356-363.	2.6	59
78	DNA \cdot magnetite nanocomposite materials. Materials Letters, 2000, 42, 183-188.	2.6	59
79	An Inorganic Nanohybrid with High Specific Surface Area: TiO $_2$ -Pillared MoS $_2$. Chemistry of Materials, 2005, 17, 3492-3498.	6.7	59
80	Low-Temperature Synthesis of Li $_x$ Mn $_{0.67}$ Ni $_{0.33}$ O $_2$ (0.2 x <math>< 0.33</math>) Nanowires with a Hexagonal Layered Structure. Advanced Materials, 2005, 17, 2834-2837.	21.0	57
81	Cu K-edge x-ray-absorption spectroscopic study on the octahedrally coordinated trivalent copper in the perovskite-related compounds La $_2$ Li $_0.5$ Cu $_0.5$ O $_4$ and LaCuO $_3$. Physical Review B, 1994, 50, 16631-16639.	3.2	56
82	Non \cdot Hydrothermal Synthesis of 1D Nanostructured Manganese \cdot Based Oxides: Effect of Cation Substitution on the Electrochemical Performance of Nanowires. Advanced Functional Materials, 2007, 17, 2949-2956.	14.9	56
83	PSEUDO-GAP FEATURES OF INTRINSIC TUNNELING IN (HgBr $_2$)-Bi $_2$ 212 SINGLE CRYSTALS. International Journal of Modern Physics B, 1999, 13, 3758-3763.	2.0	55
84	Electrochromic device of PEDOT \cdot PANI hybrid system for fast response and high optical contrast. Solar Energy Materials and Solar Cells, 2009, 93, 2040-2044.	6.2	55
85	Effects of Chromium Substitution on the Chemical Bonding Nature and Electrochemical Performance of Layered Lithium Manganese Oxide. Journal of Physical Chemistry B, 2000, 104, 7612-7618.	2.6	54
86	Multilayered SiO $_2$ /TiO $_2$ Nanosol Particles in Two-Dimensional Aluminosilicate Catalyst \cdot Support. Journal of Physical Chemistry B, 1998, 102, 5991-5995.	2.6	53
87	Inorganic \cdot organic-hybrids as precursors to functional materials. Solid State Sciences, 2001, 3, 581-592.	0.7	53
88	Local Atomic Arrangement and Electronic Structure of Nanocrystalline Transition Metal Oxides Determined by X-ray Absorption Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 5791-5796.	2.6	53
89	Microporous SiO $_2$ \cdot TiO $_2$ nanosols pillared montmorillonite for photocatalytic decomposition of methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 75-80.	3.9	53
90	Chemical Bonding Character and Physicochemical Properties of Mesoporous Zinc Oxide-Layered Titanate Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 1658-1664.	3.1	53

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91	Crystal structure and spectroscopic properties of $\text{Li}_x\text{Ni}_{1-x}\text{Ti}_y\text{O}_2$ and their electrochemical behavior. <i>Solid State Ionics</i> , 1996, 86-88, 171-175.	2.7	52
92	New DionâJacobson-Type Layered Perovskite Oxyfluorides, $\text{ASrNb}_2\text{O}_6\text{F}$ (A = Li, Na, and Rb). <i>Chemistry of Materials</i> , 2001, 13, 906-912.	6.7	52
93	Integrated bio-inorganic hybrid systems for nano-forensics. <i>Chemical Society Reviews</i> , 2011, 40, 583-595.	38.1	52
94	Influence of anionic surface modifiers on the thermal stability and mechanical properties of layered double hydroxide/polypropylene nanocomposites. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22730-22738.	10.3	52
95	Synthesis of mesoporous carbons with controlled morphology and pore diameters from SBA-15 prepared through the microwave-assisted process and their CO_2 adsorption capacity. <i>Microporous and Mesoporous Materials</i> , 2016, 233, 44-52.	4.4	52
96	Layered Double Hydroxide and Polypeptide Thermogel Nanocomposite System for Chondrogenic Differentiation of Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42668-42675.	8.0	52
97	Bio-Nanohybrids Based on Layered Double Hydroxide. <i>Current Nanoscience</i> , 2006, 2, 275-281.	1.2	52
98	Local Crystal Structure around Manganese in New Potassium-Based Nanocrystalline Manganese Oxide. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4053-4060.	2.6	51
99	Effect of physico-chemical parameters on the toxicity of inorganic nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 5547.	6.7	51
100	Inorganicâinorganic nanohybrids for drug delivery, imaging and photo-therapy: recent developments and future scope. <i>Chemical Science</i> , 2021, 12, 5044-5063.	7.4	51
101	Intercalation of alkylammonium cations into expandable fluorine mica and its application for the evaluation of heterogeneous charge distribution. <i>Journal of Materials Chemistry</i> , 2001, 11, 1305-1312.	6.7	50
102	Anticancer Drug-Inorganic Nanohybrid and Its Cellular Interaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3700-3705.	0.9	50
103	Hydroxide coprecipitation route to the piezoelectric oxide $\text{Pb}(\text{Zr,Ti})\text{O}_3$ (PZT). <i>Journal of Materials Chemistry</i> , 1995, 5, 65.	6.7	49
104	Synthesis of New Visible Light Active Photocatalysts of $\text{Ba}(\text{In}_{1/3}\text{Pb}_{1/3}\text{M}_{1/3})\text{O}_3$ (M = Nb, Ta): A Band Gap Engineering Strategy Based on Electronegativity of a Metal Component. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15001-15007.	2.6	49
105	Intracellular trafficking pathway of layered double hydroxide nanoparticles in human cells: Size-dependent cellular delivery. <i>Applied Clay Science</i> , 2012, 65-66, 24-30.	5.2	49
106	New organo-montmorillonite complexes with hydrophobic and hydrophilic functions. <i>Materials Letters</i> , 1997, 33, 143-147.	2.6	46
107	One step route to the fabrication of arrays of TiO_2 nanobowls via a complementary block copolymer templating and solâgel process. <i>Soft Matter</i> , 2008, 4, 515-521.	2.7	46
108	Anionic clay as the drug delivery vehicle: tumor targeting function of layered double hydroxide-methotrexate nanohybrid in C33A orthotopic cervical cancer model. <i>International Journal of Nanomedicine</i> , 2016, 11, 337.	6.7	46

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109	Ultra-fine (PMN) powder synthesized from metal-citrate gel by thermal shock method. <i>Materials Research Bulletin</i> , 1990, 25, 283-291.	5.2	45
110	2D Nanostructured Metal Hydroxides with Gene Delivery and Theranostic Functions; A Comprehensive Review. <i>Chemical Record</i> , 2018, 18, 1033-1053.	5.8	45
111	Intracellular Drug Delivery of Layered Double Hydroxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1632-1635.	0.9	44
112	Citrate route to the piezoelectric Pb(Zr,Ti)O ₃ oxide. <i>Journal of Materials Chemistry</i> , 1997, 7, 1815-1820.	6.7	43
113	Biokinetics of zinc oxide nanoparticles: toxicokinetics, biological fates, and protein interaction. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 2, 261.	6.7	43
114	2-Dimensional Nanomaterials with Imaging and Diagnostic Functions for Nanomedicine; A Review. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 1-12.	3.2	43
115	Polarization-Dependent X-ray Absorption Spectroscopic Study of [Cu(cyclam)] ²⁺ -Intercalated Saponite. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11120-11126.	2.6	42
116	Intercalation of magnesium-urea complex into swelling clay. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 409-412.	4.0	42
117	Effect of Different Forms of Anionic Nanoclays on Cytotoxicity. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 1803-1806.	0.9	42
118	A novel quantum dot pillared layered transition metal sulfide: CdS-MoS ₂ semiconductor-metal nanohybrid. <i>Journal of Materials Chemistry</i> , 2002, 12, 614-618.	6.7	41
119	A Lattice-Engineering Route to Heterostructured Functional Nanohybrids. <i>Chemistry - an Asian Journal</i> , 2011, 6, 324-338.	3.3	41
120	Intercalation route to nano-hybrids: inorganic/organic-high T _c cuprate hybrid materials. <i>Journal of Materials Chemistry</i> , 1999, 9, 129-135.	6.7	40
121	Enhanced lithium storage capacity and cyclic performance of nanostructured TiO ₂ -MoO ₃ hybrid electrode. <i>Chemical Communications</i> , 2009, , 7536.	4.1	40
122	Biocompatible ceramic nanocarrier for drug delivery with high efficiency. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 543-549.	1.1	40
123	Pre-swelled nanostructured electrode for lithium ion battery: TiO ₂ -pillared layered MnO ₂ . <i>Journal of Materials Chemistry</i> , 2010, 20, 2033.	6.7	40
124	Monolayer Graphitic Carbon Nitride as Metal-Free Catalyst with Enhanced Performance in Photo- and Electro-Catalysis. <i>Nano-Micro Letters</i> , 2022, 14, 55.	27.0	40
125	Phase transition behavior in the perovskite-type layer compound (n-C ₁₂ H ₂₅ NH ₃) ₂ CuCl ₄ . <i>Journal of Physics and Chemistry of Solids</i> , 1993, 54, 1567-1577.	4.0	39
126	Unique phase transformation behavior and visible light photocatalytic activity of titanium oxide hybridized with copper oxide. <i>Journal of Materials Chemistry</i> , 2010, 20, 3238.	6.7	39

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127	Hierarchically Ordered Porous CoOOH Thin-Film Electrodes for High-Performance Supercapacitors. ChemElectroChem, 2015, 2, 497-502.	3.4	39
128	Stabilization of the Mixed Valence Cu(III)/Cu(IV) in the Perovskite Lattice of La _{1-x} Sr _x CuO ₃ under High Oxygen Pressure. Journal of Solid State Chemistry, 1995, 114, 88-94.	2.9	38
129	Effect of Chromium Substitution on the Lattice Vibration of Spinel Lithium Manganate: A New Interpretation of the Raman Spectrum of LiMn ₂ O ₄ . Journal of Physical Chemistry B, 2004, 108, 12713-12717.	2.6	38
130	Inorganic-polymer nanohybrid carrier for delivery of a poorly-soluble drug, ursodeoxycholic acid. International Journal of Pharmaceutics, 2010, 402, 117-122.	5.2	38
131	Drug-inorganic-polymer nanohybrid for transdermal delivery. International Journal of Pharmaceutics, 2013, 444, 120-127.	5.2	38
132	Morphological control of mesoporous CN based hybrid materials and their excellent CO ₂ adsorption capacity. RSC Advances, 2015, 5, 40183-40192.	3.6	38
133	Application of X-ray Absorption Spectroscopy in Determining the Crystal Structure of Low-Dimensional Compounds. Iron Oxichloride and its Alkoxy Substituents. Inorganic Chemistry, 1995, 34, 6524-6531.	4.0	37
134	A combinative flux evaporation "slow cooling route to potassium titanate fibres. Materials Letters, 1998, 34, 111-118.	2.6	37
135	Luminescence of Sr ₂ CeO ₄ . Journal of Luminescence, 2000, 87-89, 1062-1064.	3.1	37
136	LaPdO ₃ : The First PdIII Oxide with the Perovskite Structure. Journal of the American Chemical Society, 2001, 123, 10413-10414.	13.7	37
137	Relationship between Chemical Bonding Character and Electrochemical Performance in Nickel-Substituted Lithium Manganese Oxides. Journal of Physical Chemistry B, 2001, 105, 4860-4866.	2.6	37
138	A new polypyrrole/maghemite hybrid as a lithium insertion electrode. Electrochemistry Communications, 2002, 4, 197-200.	4.7	37
139	Layered titanate-zinc oxide nanohybrids with mesoporosity. Chemical Communications, 2006, , 220-222.	4.1	37
140	P-coumaric acid-zinc basic salt nanohybrid for controlled release and sustained antioxidant activity. Journal of Physics and Chemistry of Solids, 2010, 71, 647-649.	4.0	37
141	Citrate route to ultra-fine barium polytitanates with microwave dielectric properties. Journal of Materials Chemistry, 1995, 5, 57.	6.7	36
142	Crystal structure, magnetism and phase transformation in perovskites A ₂ CrNbO ₆ (A = Ca, Sr, Ba). Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1051.	1.7	36
143	Layered Double Hydroxide as Gene Reservoir. Molecular Crystals and Liquid Crystals, 2000, 341, 425-429.	0.3	36
144	New Solution Route to Electrochromic Poly(acrylic acid)/WO ₃ Hybrid Film. Chemistry of Materials, 2000, 12, 2950-2956.	6.7	36

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145	Cellular Toxicity of Inorganic Hydroxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 4017-4020.	0.9	36
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