

Yongjun Feng

List of Publications by Year in descending order

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113
papers

4,432
citations

87888

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docs citations

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times ranked

5419
citing authors

#	ARTICLE	IF	CITATIONS
1	Porous ZnCl ₂ -Activated Carbon from Shaddock Peel: Methylene Blue Adsorption Behavior. <i>Materials</i> , 2022, 15, 895.	2.9	31
2	Synthesis and electrocatalytic performance of N-doped graphene embedded with Co/CoO nanoparticles towards oxygen evolution and reduction reactions. <i>Catalysis Communications</i> , 2022, 164, 106428.	3.3	8
3	ZnO/BiFeO ₃ heterojunction interface modulation and rGO modification for detection of triethylamine. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8015-8023.	5.5	3
4	Heterostructures based on transition metal chalcogenides and layered double hydroxides for enhanced water splitting. <i>Current Opinion in Electrochemistry</i> , 2022, 34, 101016.	4.8	5
5	Perylene diimide derivative dispersed in LDH as a new efficient red-emitting phosphor for LED applications. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9989-10000.	5.5	2
6	Reduced graphene oxide decorated SnO ₂ /BiVO ₄ photoanode for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2021, 855, 156780.	5.5	31
7	Oxygen vacancies engineering by coordinating oxygen-buffering CeO ₂ with CoO nanorods as efficient bifunctional oxygen electrode electrocatalyst. <i>Journal of Energy Chemistry</i> , 2021, 59, 615-625.	12.9	49
8	FeCo nanoalloys embedded in nitrogen-doped carbon nanosheets/bamboo-like carbon nanotubes for the oxygen reduction reaction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 109-121.	6.0	25
9	A First Wide-Open LDH Structure Hosting InP/ZnS QDs: A New Route Toward Efficient and Photostable Red-Emitting Phosphor. <i>Advanced Materials</i> , 2021, 33, e2103411.	21.0	10
10	Wearable, Washable, and Highly Sensitive Piezoresistive Pressure Sensor Based on a 3D Sponge Network for Real-Time Monitoring Human Body Activities. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46848-46857.	8.0	61
11	Layered double hydroxides as thermal stabilizers for Poly(vinyl chloride): A review. <i>Applied Clay Science</i> , 2021, 211, 106198.	5.2	26
12	Co-assembled photoactive organic molecules into layered double hydroxide as fluorescent fillers for silicone films. <i>Materials Today Communications</i> , 2021, 28, 102479.	1.9	4
13	Size-dependent Effect of MgAl-Layered Double Hydroxides Derived from Mg(OH) ₂ on Thermal Stability of Poly(vinyl chloride). <i>Materials Today Communications</i> , 2021, , 102851.	1.9	5
14	Simultaneous detection of multiple neuroendocrine tumor markers in patient serum with an ultrasensitive and antifouling electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113603.	10.1	19
15	Batch and fixed-bed adsorption behavior of porous boehmite with high percentage of exposed (020) facets and surface area towards Congo red. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 735-745.	6.0	4
16	Recent Progress on Transition Metal Based Layered Double Hydroxides Tailored for Oxygen Electrode Reactions. <i>Catalysts</i> , 2021, 11, 1394.	3.5	8
17	rGO modified nanoplate-assembled ZnO/CdO junction for detection of NO ₂ . <i>Journal of Hazardous Materials</i> , 2020, 394, 121832.	12.4	51
18	In-situ Self-Supporting Cobalt Embedded in Nitrogen-Doped Porous Carbon as Efficient Oxygen Reduction Electrocatalysts. <i>ChemElectroChem</i> , 2020, 7, 4024-4030.	3.4	7

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19	Synergetic light stabilizing effects of reducing agent and UV absorber co-intercalated layered double hydroxides for polypropylene. <i>Applied Clay Science</i> , 2020, 194, 105700.	5.2	10
20	An aqueous miscible organic (AMO) process for layered double hydroxides (LDHs) for the enhanced properties of polypropylene/LDH composites. <i>New Journal of Chemistry</i> , 2020, 44, 10119-10126.	2.8	8
21	Unitized Regenerative Alkaline Microfluidic Cell Based on Platinum Group Metal-Free Electrode Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 7397-7403.	5.1	11
22	Ultra-sensitive ethanol gas sensors based on nanosheet-assembled hierarchical ZnO-In ₂ O ₃ heterostructures. <i>Journal of Hazardous Materials</i> , 2020, 391, 122191.	12.4	162
23	Novel Strategy to Prepare Mesoporous Sn-Doped Co ₃ O ₄ Whiskers with High Sensitivity to Toluene. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4472-4482.	3.7	28
24	Synthesis of novel BiVO ₄ /Cu ₂ O heterojunctions for improving BiVO ₄ towards NO ₂ sensing properties. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 37-44.	9.4	29
25	Novel ultrathin mesoporous ZnO-SnO ₂ n-n heterojunction nanosheets with high sensitivity to ethanol. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127801.	7.8	70
26	Cobalt-Based Multicomponent Oxygen Reduction Reaction Electrocatalysts Generated by Melamine Thermal Pyrolysis with High Performance in an Alkaline Hydrogen/Oxygen Microfuel Cell. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21605-21615.	8.0	40
27	Design, fabrication and anti-aging behavior of a multifunctional inorganic-organic hybrid stabilizer derived from co-intercalated layered double hydroxides for polypropylene. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2539-2549.	6.0	9
28	HALS intercalated layered double hydroxides as an efficient light stabilizer for polypropylene. <i>Applied Clay Science</i> , 2019, 180, 105196.	5.2	8
29	Recent Progress on Adsorption Materials for Phosphate Removal. <i>Recent Patents on Nanotechnology</i> , 2019, 13, 3-16.	1.3	39
30	Novel Non-Precious Metal Electrocatalysts for Oxygen Electrode Reactions. <i>Catalysts</i> , 2019, 9, 731.	3.5	7
31	An integrating photoanode consisting of BiVO ₄ , rGO and LDH for photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2019, 48, 16091-16098.	3.3	37
32	Nitrogen-Doped Ordered Mesoporous Carbons Supported Co ₃ O ₄ Composite as a Bifunctional Oxygen Electrode Catalyst. <i>Surfaces</i> , 2019, 2, 229-240.	2.3	10
33	Ethylene glycol-assisted fabrication and superb adsorption capacity of hierarchical porous flower-like magnesium oxide microspheres for phosphate. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1952-1961.	6.0	37
34	Facile Fabrication of Mesoporous Hierarchical Co-Doped ZnO for Highly Sensitive Ethanol Detection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8061-8071.	3.7	29
35	A new green, energy-saving, and pressing refining process for the recovery of ultrahigh-purity lead in alkaline solution from spent lead plate grids. <i>Ionics</i> , 2019, 25, 3979-3990.	2.4	9
36	UV absorber co-intercalated layered double hydroxides as efficient hybrid UV-shielding materials for polypropylene. <i>Dalton Transactions</i> , 2019, 48, 2750-2759.	3.3	19

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37	An energy saving and fluorine-free electrorefining process for ultrahigh purity lead refining. Chinese Journal of Chemical Engineering, 2019, 27, 1191-1199.	3.5	9
38	Ordered mesoporous WO ₃ /ZnO nanocomposites with isotype heterojunctions for sensitive detection of NO ₂ . Sensors and Actuators B: Chemical, 2019, 285, 68-75.	7.8	60
39	Pyrolyzing Co/Zn bimetallic organic framework to form p-n heterojunction of Co ₃ O ₄ /ZnO for detection of formaldehyde. Sensors and Actuators B: Chemical, 2019, 285, 291-301.	7.8	76
40	Template-free synthesis of three-dimensional NiFe-LDH hollow microsphere with enhanced OER performance in alkaline media. Journal of Energy Chemistry, 2019, 33, 130-137.	12.9	121
41	Micrometer-sized dihydrogenphosphate-intercalated layered double hydroxides: synthesis, selective infrared absorption properties, and applications as agricultural films. Dalton Transactions, 2018, 47, 3144-3154.	3.3	12
42	Design and Synthesis of Cobalt-Based Electrocatalysts for Oxygen Reduction Reaction. Chemical Record, 2018, 18, 840-848.	5.8	11
43	Novel $\text{Fe}_2\text{O}_3/\text{BiVO}_4$ heterojunctions for enhancing NO ₂ sensing properties. Sensors and Actuators B: Chemical, 2018, 268, 136-143.	7.8	49
44	Synthesis of Co ₃ O ₄ /TiO ₂ composite by pyrolyzing ZIF-67 for detection of xylene. Applied Surface Science, 2018, 435, 384-392.	6.1	61
45	Improved Electrocatalytic Performance of Tailored Metal-Free Nitrogen-Doped Ordered Mesoporous Carbons for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1899-1904.	3.4	15
46	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NO _x by NH ₃ . Applied Surface Science, 2018, 428, 526-533.	6.1	89
47	Carbon fiber paper@MgO films: in situ fabrication and high-performance removal capacity for phosphate anions. Environmental Science and Pollution Research, 2018, 25, 34788-34792.	5.3	15
48	Recent Advances of Cobalt-Based Electrocatalysts for Oxygen Electrode Reactions and Hydrogen Evolution Reaction. Catalysts, 2018, 8, 559.	3.5	107
49	Co-intercalated layered double hydroxides as thermal and photo-oxidation stabilizers for polypropylene. Beilstein Journal of Nanotechnology, 2018, 9, 2980-2988.	2.8	3
50	Low molecular weight hindered amine light stabilizers (HALS) intercalated MgAl-Layered double hydroxides: Preparation and anti-aging performance in polypropylene nanocomposites. Polymer Degradation and Stability, 2018, 154, 55-61.	5.8	28
51	Cu ₂ O and rGO Hybridizing for Enhancement of Low-Concentration NO ₂ Sensing at Room Temperature. Industrial & Engineering Chemistry Research, 2018, 57, 10086-10094.	3.7	33
52	Fabrication and Adsorption Behavior of Magnesium Silicate Hydrate Nanoparticles towards Methylene Blue. Nanomaterials, 2018, 8, 271.	4.1	23
53	Surfactant-Assisted Fabrication of Cubic Cobalt Oxide Hybrid Hollow Spheres as Catalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 2192-2198.	3.4	8
54	Novel Carbon Paper@Magnesium Silicate Composite Porous Films: Design, Fabrication, and Adsorption Behavior for Heavy Metal Ions in Aqueous Solution. ACS Applied Materials & Interfaces, 2018, 10, 22776-22785.	8.0	43

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55	Superb removal capacity of hierarchically porous magnesium oxide for phosphate and methyl orange. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24907-24916.	5.3	26
56	Controllable Synthesis and Bi-functional Electrocatalytic Performance towards Oxygen Electrode Reactions of Co ₃ O ₄ /N-RGO Composites. <i>Electrochimica Acta</i> , 2017, 226, 104-112.	5.2	23
57	Doping Metal Elements of WO ₃ for Enhancement of NO ₂ -Sensing Performance at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2616-2623.	3.7	53
58	Tuning the Adsorption Properties of Layered Double Hydroxides to Tailor Highly Active Oxygen Bifunctional Electrocatalysts. <i>Journal of the Electrochemical Society</i> , 2017, 164, F491-F498.	2.9	8
59	Antioxidant intercalated Zn-containing layered double hydroxides: preparation, performance and migration properties. <i>New Journal of Chemistry</i> , 2017, 41, 2364-2371.	2.8	15
60	Template-free Synthesis of Large-Pore-Size Porous Magnesium Silicate Hierarchical Nanostructures for High-Efficiency Removal of Heavy Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2774-2780.	6.7	51
61	Antioxidant intercalated hydrocalumite as multifunction nanofiller for Poly(propylene): Synthesis, thermal stability, light stability, and anti-migration property. <i>Polymer Degradation and Stability</i> , 2017, 140, 9-16.	5.8	16
62	Facile synthesis of mesoporous hierarchical Co ₃ O ₄ @TiO ₂ heterojunctions with greatly enhanced gas sensing performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10387-10397.	10.3	116
63	Facile Color Tuning, Characterization, and Application of Acid Green 25 and Acid Yellow 25 Co-intercalated Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5495-5504.	3.7	13
64	Fabrication and Bifunctional Electrocatalytic Performance of Ternary CoNiMn Layered Double Hydroxides/Polypyrrole/Reduced Graphene Oxide Composite for Oxygen Reduction and Evolution Reactions. <i>Electrochimica Acta</i> , 2017, 245, 59-68.	5.2	63
65	Electrocatalytic Cobalt Nanoparticles Interacting with Nitrogen-Doped Carbon Nanotube in Situ Generated from a Metal-Organic Framework for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2541-2549.	8.0	137
66	Carbon coated chevrel phase of Mo ₆ S ₈ as anode material for improving electrochemical properties of aqueous lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 258, 236-240.	5.2	11
67	Hexamethylene tetramine-assisted hydrothermal synthesis of porous magnesium oxide for high-efficiency removal of phosphate in aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4649-4655.	6.7	39
68	Carbon fiber paper supported interlayer space enlarged Ni ₂ Fe-LDHs improved OER electrocatalytic activity. <i>Electrochimica Acta</i> , 2017, 258, 554-560.	5.2	43
69	Advanced bifunctional electrocatalyst generated through cobalt phthalocyanine tetrasulfonate intercalated Ni ₂ Fe-layered double hydroxides for a laminar flow unitized regenerative micro-cell. <i>Journal of Power Sources</i> , 2017, 361, 21-30.	7.8	34
70	Facile Synthesis and Acetone Sensing Performance of Hierarchical SnO ₂ Hollow Microspheres with Controllable Size and Shell Thickness. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3588-3595.	3.7	103
71	Positive Effect of Heat Treatment on Carbon-Supported CoS Nanocatalysts for Oxygen Reduction Reaction. <i>Catalysis</i> , 2015, 5, 1211-1220.	3.5	9
72	Reduced Graphene Oxide Supported CoO/MnO ₂ Electrocatalysts from Layered Double Hydroxides for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2015, 173, 575-580.	5.2	50

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73	Facile synthesis and photocatalytic performance of ZnO nanoparticles self-assembled spherical aggregates. <i>Materials Letters</i> , 2015, 158, 290-294.	2.6	21
74	A simple and promoter free way to synthesize spherical γ -alumina with high hydrothermal stability. <i>Materials Letters</i> , 2015, 155, 75-77.	2.6	14
75	Facile synthesis and gas sensing properties of tubular hierarchical ZnO self-assembled by porous nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 231-240.	7.8	110
76	Acid Blue 129 and Salicylate Cointercalated Layered Double Hydroxides: Assembly, Characterization, and Photostability. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17961-17967.	3.7	14
77	Co ²⁺ intercalation of Acid Red 337 and a UV Absorbent into Layered Double Hydroxides: Enhancement of Photostability. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20603-20611.	8.0	34
78	Highly dispersed Pd catalyst for anthraquinone hydrogenation supported on alumina derived from a pseudoboehmite precursor. <i>Applied Catalysis A: General</i> , 2014, 469, 312-319.	4.3	46
79	Synthesis and Gas Sensing Performance of Dandelion-Like ZnO with Hierarchical Porous Structure. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 12737-12743.	3.7	43
80	In situ synthesis and properties of ZSM-5/ γ -Al ₂ O ₃ composite. <i>Materials Letters</i> , 2014, 133, 278-280.	2.6	8
81	Facile synthesis of multicolor organic-inorganic hybrid pigments based on layered double hydroxides. <i>Dyes and Pigments</i> , 2014, 104, 131-136.	3.7	31
82	High Antioxidative Performance of Layered Double Hydroxides/Polypropylene Composite with Intercalation of Low-Molecular-Weight Phenolic Antioxidant. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2287-2292.	3.7	26
83	Size-controlled hydrothermal synthesis and high electrocatalytic performance of CoS ₂ nanocatalysts as non-precious metal cathode materials for fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5741.	10.3	77
84	Synthesis and gas sensing properties to NO ₂ of ZnO nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 377-382.	7.8	70
85	Synthesis and Applications of Layered Double Hydroxides Based Pigments. <i>Recent Patents on Nanotechnology</i> , 2012, 6, 193-199.	1.3	13
86	Layered Double Hydroxides as Flame Retardant and Thermal Stabilizer for Polymers. <i>Recent Patents on Nanotechnology</i> , 2012, 6, 231-237.	1.3	16
87	Fabrication and properties of acid blue 25 dye-intercalated layered double hydroxides film on an anodic alumina/aluminum substrate. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1505-1509.	4.0	8
88	Mordant Yellow 3 Anions Intercalated Layered Double Hydroxides: Preparation, Thermo- and Photostability. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 10542-10545.	3.7	24
89	Improving thermal stability and light fastness of Acid Red 114 by incorporating its anions in a ZnAl-layered double hydroxides matrix. <i>Particuology</i> , 2012, 10, 503-508.	3.6	4
90	Tolerant Chalcogenide Cathodes of Membraneless Micro Fuel Cells. <i>ChemSusChem</i> , 2012, 5, 1488-1494.	6.8	50

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91	Carbon-supported cubic CoSe ₂ catalysts for oxygen reduction reaction in alkaline medium. <i>Electrochimica Acta</i> , 2012, 72, 129-133.	5.2	70
92	Intercalation of IR absorber into layered double hydroxides: Preparation, thermal stability and selective IR absorption. <i>Materials Research Bulletin</i> , 2012, 47, 532-536.	5.2	15
93	Synthesis and UV Absorption Properties of Aurintricarboxylic Acid Intercalated Zn-Al Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13299-13303.	3.7	33
94	Highly efficient and selective infrared absorption material based on layered double hydroxides for use in agricultural plastic film. <i>Applied Clay Science</i> , 2011, 53, 592-597.	5.2	16
95	Functionalized-carbon nanotube supported electrocatalysts and buckypaper-based biocathodes for glucose fuel cell applications. <i>Electrochimica Acta</i> , 2011, 56, 7659-7665.	5.2	42
96	Improved thermal and photostability of an anthraquinone dye by intercalation in a zinc-aluminum layered double hydroxides host. <i>Dyes and Pigments</i> , 2011, 90, 253-258.	3.7	54
97	Fabrication and properties of Acid Yellow 49 dye-intercalated layered double hydroxides film on an alumina-coated aluminum substrate. <i>Dyes and Pigments</i> , 2011, 91, 120-125.	3.7	18
98	In situ synthesis of solid base catalysts for the regeneration of degradation products formed during the anthraquinone process for the manufacture of hydrogen peroxide. <i>Applied Catalysis A: General</i> , 2011, 401, 163-169.	4.3	12
99	Chalcogenide metal centers for oxygen reduction reaction: Activity and tolerance. <i>Electrochimica Acta</i> , 2011, 56, 1009-1022.	5.2	114
100	Enhanced thermal- and photo-stability of acid yellow 17 by incorporation into layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2011, 184, 1551-1555.	2.9	26
101	Carbon-supported CoSe ₂ Nanoparticles for Oxygen Reduction Reaction in Acid Medium. <i>Fuel Cells</i> , 2010, 10, 77-83.	2.4	27
102	Preparation and characterization of polyimide/ladder like polysiloxane hybrid films. <i>Materials Letters</i> , 2010, 64, 2710-2713.	2.6	10
103	Oxygen reduction reaction selectivity of RuSe ₂ in formic acid solutions. <i>Journal of Electroanalytical Chemistry</i> , 2010, 648, 78-84.	3.8	12
104	Substrate effect on oxygen reduction electrocatalysis. <i>Electrochimica Acta</i> , 2010, 55, 7558-7563.	5.2	78
105	Intercalation chemistry in a LDH system: anion exchange process and staging phenomenon investigated by means of time-resolved, in situ X-ray diffraction. <i>Dalton Transactions</i> , 2010, 39, 5994.	3.3	46
106	Structure Phase Transition and Oxygen Reduction Activity in Acidic Medium of Carbon-Supported Cobalt Selenide Nanoparticles. <i>ECS Transactions</i> , 2009, 25, 167-173.	0.5	8
107	Oxygen reduction reaction on carbon-supported CoSe ₂ nanoparticles in an acidic medium. <i>Electrochimica Acta</i> , 2009, 54, 5252-5256.	5.2	116
108	Nonprecious metal catalysts for the molecular oxygen-reduction reaction. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1792-1806.	1.5	167

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109	In situ Free-Surfactant Synthesis and ORR- Electrochemistry of Carbon-Supported Co ₃ S ₄ and CoSe ₂ Nanoparticles. Chemistry of Materials, 2008, 20, 26-28.	6.7	233
110	Novel Non-Precious Metal Electrocatalysts for Oxygen Reduction Based on Nanostructured Cobalt Chalcogenide. ECS Transactions, 2007, 11, 67-73.	0.5	11
111	Synthesis and characterization of a UV absorbent-intercalated Zn-Al layered double hydroxide. Polymer Degradation and Stability, 2006, 91, 789-794.	5.8	139
112	Selective Anion-Exchange Properties of Second-Stage Layered Double Hydroxide Heterostructures. Chemistry of Materials, 2006, 18, 4312-4318.	6.7	55
113	Synthesis of Cu-containing Layered Double Hydroxides with a Narrow Crystallite-size Distribution. Clays and Clay Minerals, 2003, 51, 566-569.	1.3	34