Yuanjun Xu

List of Publications by Year in descending order

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39 papers	695 citations	623734 14 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	903 citing authors

#	Article	IF	Citations
1	Improved visible-light photocatalytic activity of NaTaO3 with perovskite-like structure via sulfur anion doping. Applied Catalysis B: Environmental, 2015, 166-167, 104-111.	20.2	104
2	Effect of calcined atmosphere on the photocatalytic activity of P-doped TiO2. Applied Surface Science, 2014, 289, 306-315.	6.1	89
3	Effect of Coal Gasification Fine Slag on the Physicochemical Properties of Soil. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	47
4	Preparation of halloysite/polyvinylidene fluoride composite membrane by phase inversion method for lithium ion battery. Journal of Alloys and Compounds, 2019, 790, 305-315.	5.5	36
5	Facile Synthesis of Double-Layer-Constrained Micron-Sized Porous Si/SiO₂/C Composites for Lithium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2019, 11, 37732-37740.	8.0	33
6	Structure, Dye Degradation Activity and Stability of Oxygen Defective BaFeO_{3−<I>x</I>}. Materials Transactions, 2010, 51, 1981-1989.	1.2	31
7	Using chemical experiments and plant uptake to prove the feasibility and stability of coal gasification fine slag as silicon fertilizer. Environmental Science and Pollution Research, 2019, 26, 5925-5933.	5.3	28
8	Dye Degradation Activity and Stability of Perovskite-Type LaCoO_{3−<I>x</I>} (<I>x</I>=0∼0.075). Materials Transactions, 2010, 51, 2208-2214.	1.2	26
9	Fabrication of diatomite/polyethylene terephthalate composite separator for lithium-ion battery. Ionics, 2019, 25, 5341-5351.	2.4	23
10	UV shielding performance of illite/TiO₂ nanocomposites. New Journal of Chemistry, 2018, 42, 9260-9268.	2.8	19
11	Mechanical and thermal properties of coal gasification fine slag reinforced low density polyethylene composites. Journal of Applied Polymer Science, 2018, 135, 46203.	2.6	18
12	Dynamic hydrothermal synthesis of Al-substituted 11 Ã... tobermorite from solid waste fly ash residue-extracted Al2O3. Research on Chemical Intermediates, 2013, 39, 693-705.	2.7	17
13	Coal Gasification Fine Slag as a Low-Cost Adsorbent for Adsorption and Desorption of Humic Acid. Silicon, 2020, 12, 1547-1556.	3.3	17
14	Preparation of Cu/OMMT/LLDPE nanocomposites and synergistic effect study of two different nano materials in polymer matrix. Polymer Bulletin, 2011, 67, 1463-1481.	3.3	14
15	Preparation and properties of TiO2/illite composites synthesized at different hydrothermal pH values. Chemical Physics, 2019, 525, 110394.	1.9	13
16	Preparation and characterization of linear lowâ€density polyethylene/dickite nanocomposites prepared by the direct melt blending of linear lowâ€density polyethylene with exfoliated dickite. Journal of Applied Polymer Science, 2011, 120, 1736-1743.	2.6	12
17	Crystallinity, ion conductivity, and thermal and mechanical properties of poly(ethylene oxide)â€“illite nanocomposites with exfoliated illite as a filler. Journal of Applied Polymer Science, 2016, 133, .	2.6	12
18	The role of exfoliated kaolinite on crystallinity, ion conductivity, thermal and mechanical properties of poly(ethylene oxide)/kaolinite composites. Polymer Bulletin, 2017, 74, 3089-3108.	3.3	12

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19	Preparation and Characterization of a Novel Anticorrosion Material: Cu/LLDPE Nanocomposites. Materials Transactions, 2011, 52, 96-101.	1.2	11
20	The role of potassium chlorate on expansion of dickite layers and the preparation of a novel TiO₂ impregnated dickite photocatalyst using expanded dickite as carrier. RSC Advances, 2016, 6, 9803-9811.	3.6	11
21	A study on the intercalation and exfoliation of illite. Research on Chemical Intermediates, 2017, 43, 679-692.	2.7	11
22	An expanded clay-coated separator with unique microporous structure for enhancing electrochemical performance of rechargeable hybrid aqueous batteries. Journal of Solid State Electrochemistry, 2019, 23, 215-226.	2.5	11
23	A novel mesoporous silica-clay composite and its thermal and hydrothermal stabilities. Journal of Porous Materials, 2010, 17, 217-223.	2.6	10
24	The interaction of cellulose and montmorillonite in a hydrothermal process. Journal of Sol-Gel Science and Technology, 2017, 82, 846-854.	2.4	10
25	Opal promotes hydrothermal carbonization of hydroxypropyl methyl cellulose and formation of carbon nanospheres. RSC Advances, 2018, 8, 20095-20107.	3.6	10
26	Hydrophobic modification of dickite and salt spray test study on LLDPE/modified dickite composite. Journal of Applied Polymer Science, 2010, 116, 3480-3488.	2.6	8
27	Utilization of fly ash acid residue as a reinforcing filler in ethylene propylene diene monomer rubber. Journal of Applied Polymer Science, 2013, 129, 1053-1059.	2.6	8
28	Silicon nanoparticles coated with nanoporous carbon as a promising anode material for lithium ion batteries. New Journal of Chemistry, 2020, 44, 17323-17332.	2.8	8
29	A porous diatomite ceramic separator for lithium ion batteries. New Journal of Chemistry, 2021, 45, 15840-15850.	2.8	8
30	The carbon environment effects on phase composition and photoluminescence properties of Î²-SiAlON multiphase materials prepared from fly ash acid slag. Ceramics International, 2019, 45, 7850-7856.	4.8	7
31	Microstructure and properties of in-situ prepared cellulosic biomass carbon based diatomite composite. Materials Science and Technology, 2019, 35, 469-476.	1.6	7
32	The role of lanthanum in improving the visible-light photocatalytic activity of TiO2 nanoparticles prepared by hydrothermal method. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	7
33	Preparation of Cu/Dickite/LLDPE nanocomposites and synergistic effect of exfoliated dickite and nano-Cu in LLDPE matrix. Polymer Composites, 2013, 34, 1061-1070.	4.6	6
34	Preparation of nacrite nanorolls and their reinforcing effect in LLDPE matrix. Polymer Composites, 2018, 39, 448-456.	4.6	4
35	Effect of Al3+ and Al2O3 co-modification on electrochemical characteristics of the 5-V cathode material LiNi0.5Mn1.5O4. Ionics, 2020, 26, 3725-3736.	2.4	2
36	The role of nickel-iron based layered double hydroxide on crystallinity, electrochemical performances, thermal and mechanical properties on poly(ethylene-oxide) solid electrolyte. New Journal of Chemistry, 0, , .	2.8	2

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37	Effect of pH in preparation and properties of mesoporous sieve from montmorillonite. Journal of Porous Materials, 2010, 17, 139-144.	2.6	1
38	Carbothermal Reduction Nitridation of Fly Ash, Diatomite and Raw Illite: Formation of Nitride Powders with Different Morphology and Photoluminescence Properties. Crystals, 2020, 10, 409.	2.2	1
39	Properties and characterization of novel expanded dickite based composite phase change material. Journal of Applied Polymer Science, 0, , 52197.	2.6	1