

# 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  | A porous diatomite ceramic separator for lithium ion batteries. <i>New Journal of Chemistry</i> , 2021, 45, 15840-15850.   | 2.8 | 8         |
| 2  | Coal Gasification Fine Slag as a Low-Cost Adsorbent for Adsorption and Desorption of Humic Acid. <i>Silicon</i> , 2020, 12, 1547-1556.   | 3.3 | 17        |
| 3  | The role of lanthanum in improving the visible-light photocatalytic activity of TiO <sub>2</sub> nanoparticles prepared by hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.               | 2.3 | 7         |
| 4  | Silicon nanoparticles coated with nanoporous carbon as a promising anode material for lithium ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 17323-17332.  | 2.8 | 8         |
| 5  | Carbothermal Reduction Nitridation of Fly Ash, Diatomite and Raw Illite: Formation of Nitride Powders with Different Morphology and Photoluminescence Properties. <i>Crystals</i> , 2020, 10, 409.                                       | 2.2 | 1         |
| 6  | Effect of Al <sup>3+</sup> and Al <sub>2</sub> O <sub>3</sub> co-modification on electrochemical characteristics of the 5-V cathode material LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> . <i>Ionics</i> , 2020, 26, 3725-3736. | 2.4 | 2         |
| 7  | Effect of Coal Gasification Fine Slag on the Physicochemical Properties of Soil. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.   | 2.4 | 47        |
| 8  | Fabrication of diatomite/polyethylene terephthalate composite separator for lithium-ion battery. <i>Ionics</i> , 2019, 25, 5341-5351.  | 2.4 | 23        |
| 9  | Preparation and properties of TiO <sub>2</sub> /illite composites synthesized at different hydrothermal pH values. <i>Chemical Physics</i> , 2019, 525, 110394.  | 1.9 | 13        |
| 10 | Facile Synthesis of Double-Layer-Constrained Micron-Sized Porous Si/SiO <sub>2</sub> /C Composites for Lithium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37732-37740.                                | 8.0 | 33        |
| 11 | Using chemical experiments and plant uptake to prove the feasibility and stability of coal gasification fine slag as silicon fertilizer. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5925-5933.                      | 5.3 | 28        |
| 12 | Preparation of halloysite/polyvinylidene fluoride composite membrane by phase inversion method for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2019, 790, 305-315.   | 5.5 | 36        |
| 13 | The carbon environment effects on phase composition and photoluminescence properties of $\beta$ -SiAlON multiphase materials prepared from fly ash acid slag. <i>Ceramics International</i> , 2019, 45, 7850-7856.                       | 4.8 | 7         |
| 14 | Microstructure and properties of in-situ prepared cellulosic biomass carbon based diatomite composite. <i>Materials Science and Technology</i> , 2019, 35, 469-476.  | 1.6 | 7         |
| 15 | An expanded clay-coated separator with unique microporous structure for enhancing electrochemical performance of rechargeable hybrid aqueous batteries. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 215-226.              | 2.5 | 11        |
| 16 | Mechanical and thermal properties of coal gasification fine slag reinforced low density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46203.   | 2.6 | 18        |
| 17 | UV shielding performance of illite/TiO <sub>2</sub> nanocomposites. <i>New Journal of Chemistry</i> , 2018, 42, 9260-9268.   | 2.8 | 19        |
| 18 | Preparation of nacrite nanorolls and their reinforcing effect in LLDPE matrix. <i>Polymer Composites</i> , 2018, 39, 448-456.  | 4.6 | 4         |

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|----|---|------|-----------|
| 19 | Opal promotes hydrothermal carbonization of hydroxypropyl methyl cellulose and formation of carbon nanospheres. RSC Advances, 2018, 8, 20095-20107.   | 3.6  | 10        |
| 20 | The interaction of cellulose and montmorillonite in a hydrothermal process. Journal of Sol-Gel Science and Technology, 2017, 82, 846-854.   | 2.4  | 10        |
| 21 | 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        |
| 22 | A study on the intercalation and exfoliation of illite. Research on Chemical Intermediates, 2017, 43, 679-692.  | 2.7  | 11        |
| 23 | 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        |
| 24 | The role of potassium chlorate on expansion of dickite layers and the preparation of a novel TiO <sub>2</sub> impregnated dickite photocatalyst using expanded dickite as carrier. RSC Advances, 2016, 6, 9803-9811.                                  | 3.6  | 11        |
| 25 | Improved visible-light photocatalytic activity of NaTaO <sub>3</sub> with perovskite-like structure via sulfur anion doping. Applied Catalysis B: Environmental, 2015, 166-167, 104-111.  | 20.2 | 104       |
| 26 | Effect of calcined atmosphere on the photocatalytic activity of P-doped TiO <sub>2</sub> . Applied Surface Science, 2014, 289, 306-315.   | 6.1  | 89        |
| 27 | Dynamic hydrothermal synthesis of Al-substituted 11 Å.. tobermorite from solid waste fly ash residue-extracted Al <sub>2</sub> O <sub>3</sub> . Research on Chemical Intermediates, 2013, 39, 693-705.  | 2.7  | 17        |
| 28 | 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         |
| 29 | 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         |
| 30 | Preparation and Characterization of a Novel Anticorrosion Material: Cu/LLDPE Nanocomposites. Materials Transactions, 2011, 52, 96-101.  | 1.2  | 11        |
| 31 | 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        |
| 32 | Preparation and characterization of linear low-density polyethylene/dickite nanocomposites prepared by the direct melt blending of linear low-density polyethylene with exfoliated dickite. Journal of Applied Polymer Science, 2011, 120, 1736-1743. | 2.6  | 12        |
| 33 | Structure, Dye Degradation Activity and Stability of Oxygen Defective BaFeO <sub>3-x</sub> . Materials Transactions, 2010, 51, 1981-1989.   | 1.2  | 31        |
| 34 | Effect of pH in preparation and properties of mesoporous sieve from montmorillonite. Journal of Porous Materials, 2010, 17, 139-144.  | 2.6  | 1         |
| 35 | A novel mesoporous silica-clay composite and its thermal and hydrothermal stabilities. Journal of Porous Materials, 2010, 17, 217-223.  | 2.6  | 10        |
| 36 | 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         |

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|----|--|-----|-----------|
| 37 | Dye Degradation Activity and Stability of Perovskite-Type $\text{LaCoO}_{3-x}$ (<math>x=0.075</math>). Materials Transactions, 2010, 51, 2208-2214.  | 1.2 | 26        |
| 38 | 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         |
| 39 | Properties and characterization of novel expanded dickite based composite phase change material. Journal of Applied Polymer Science, 0, , 52197.   | 2.6 | 1         |