

# Lin Yang

## List of Publications by Year in descending order

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46  
papers

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docs citations

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times ranked

1036  
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#	ARTICLE	IF	CITATIONS
1	Chromium (VI) adsorption from wastewater using porous magnetite nanoparticles prepared from titanium residue by a novel solid-phase reduction method. <i>Science of the Total Environment</i> , 2017, 607-608, 900-910.	8.0	83
2	Thermodynamic study of phosphogypsum decomposition by sulfur. <i>Journal of Chemical Thermodynamics</i> , 2013, 57, 39-45.	2.0	52
3	Cyano-substitution on the end-capping group: facile access toward asymmetrical squaraine showing strong dipole-dipole interactions as a high performance small molecular organic solar cells material. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17704-17712.	10.3	40
4	Asymmetrical Squaraines Bearing Fluorine-Substituted Indoline Moieties for High-Performance Solution-Processed Small-Molecule Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13675-13684.	8.0	39
5	A sustainable process to utilize ferrous sulfate waste from titanium oxide industry by reductive decomposition reaction with pyrite. <i>Thermochimica Acta</i> , 2015, 620, 18-27.	2.7	33
6	An Azulene-Containing Low Bandgap Small Molecule for Organic Photovoltaics with High Open-Circuit Voltage. <i>Chemistry - A European Journal</i> , 2016, 22, 14527-14530.	3.3	32
7	Marked effects of indolyl vs. indolinyl substituent on solid-state structure, carrier mobility and photovoltaic efficiency of asymmetrical squaraine dyes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18313-18321.	10.3	28
8	Colorful Squaraines Dyes for Efficient Solution-Processed All Small-Molecule Semitransparent Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26465-26472.	8.0	28
9	A Facile Preparation of Palladium Catalysts Supported on Hollow Polypyrrole Nanospheres for Ethanol Oxidation. <i>Electrochimica Acta</i> , 2015, 177, 107-112.	5.2	25
10	A study on the effect factors of sol-gel synthesis of yttrium aluminum garnet nanopowders. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	24
11	Novel unsymmetrical squaraine-based small molecules for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 847-854.	5.5	22
12	Performance, Morphology, and Charge Recombination Correlations in Ternary Squaraine Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 6810-6820.	6.7	22
13	Microencapsulation of APP and influence of microencapsulated APP on microstructure and flame retardancy of PP/APP/PER composites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 36-46.	2.6	21
14	Effects of kaolinite addition on the melting characteristics of the reaction between phosphogypsum and CaS. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 2119-2126.	3.6	21
15	Determination of the Solubility of Ammonium Dihydrogen Phosphate in Water-Ethanol System at Different Temperatures from 283.2 to 343.2 K. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 78-82.	1.9	20
16	Mechanism and kinetics study on removal of Iron from phosphoric acid by cation exchange resin. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1050-1057.	3.5	20
17	Adsorption equilibrium and kinetics studies of divalent manganese from phosphoric acid solution by using cationic exchange resin. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 2758-2770.	3.5	20
18	TiS <sub>2</sub> nanosheets for efficient electrocatalytic N <sub>2</sub> fixation to NH <sub>3</sub> under ambient conditions. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1986-1989.	6.0	19

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19	N,N-Diarylamino end-capping as a new strategy for simultaneously enhancing open-circuit voltage, short-circuit current density and fill factor in small molecule organic solar cells. RSC Advances, 2015, 5, 20724-20733.	3.6	17
20	Characterization and synthesis of nanometer magnetite black pigment from titanium slag by microwave-assisted reduction method. Dyes and Pigments, 2017, 147, 24-30.	3.7	17
21	Synthesis of 3-Hydroxybenzo[e]indoline and Its Application to Small-Molecule Organic Solar Cells. Chemistry - A European Journal, 2018, 24, 8747-8750.	3.3	15
22	Effect of SiO <sub>2</sub> on the melting characteristics of reaction between phosphogypsum and calcium sulfide. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1601-1609.	3.6	14
23	Kinetic studies on Al <sup>3+</sup> removal from phosphoric acid by cation exchange resin. Canadian Journal of Chemical Engineering, 2018, 96, 944-954.	1.7	14
24	A new green synthesis method of magnesium ferrite from ferrous sulfate waste. Journal of Alloys and Compounds, 2018, 756, 117-125.	5.5	14
25	Unsymmetrical squaraines with new linkage manner for high-performance solution-processed small-molecule organic photovoltaic cells. RSC Advances, 2016, 6, 1877-1884.	3.6	12
26	Comparison of Flame-retardancy Property and Mechanism between a Phosphate Ester and a Phosphoramine Flame-retardants. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 148-156.	1.0	11
27	Synergistic effect of hydroquinone bis(di-2-methylphenyl phosphate) and novolac phenol in ABS composites. Polymer Degradation and Stability, 2014, 109, 285-292.	5.8	10
28	Optimization of the electrochemical properties of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> cathode material by titanium doping. Ionics, 2020, 26, 3223-3230.	2.4	9
29	Recycling sulfur and iron resources in the waste ferrous sulfate. Journal of Thermal Analysis and Calorimetry, 2015, 119, 2229-2237.	3.6	8
30	Chelation of metal ions with citric acid in the ammoniation process of wet-process phosphoric acid. Canadian Journal of Chemical Engineering, 2020, 98, 665-675.	1.7	8
31	Study on the removal mechanism of Mg <sup>2+</sup> by ion exchange resin from wet-process phosphoric acid. , 0, 100, 185-192.		7
32	Purification of Wet-Process Phosphoric Acid via Donnan Dialysis with a Perfluorinated Sulfonic Acid Cation-Exchange Membrane. Membranes, 2021, 11, 298.	3.0	6
33	Fourier transform infrared spectroscopy-thermogravimetry analysis of the thermal decomposition mechanism of an effective flame retardant, hydroquinone bis(di-2-methylphenyl phosphate). Polymer Bulletin, 2016, 73, 927-939.	3.3	5
34	Investigation of the Fusion Characteristics of Ash in the Reduction of Pyrite and Phosphogypsum. Journal of Sustainable Metallurgy, 2017, 3, 737-752.	2.3	5
35	In Operando Investigation of the Structural Evolution during Calcination and Corresponding Enhanced Performance of Three-Dimensional Na <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> @C <sub>60</sub> N Hierarchical Microflowers. Industrial & Engineering Chemistry Research, 2018, 57, 17430-17436.	3.7	5
36	In situ fourier transform infrared spectra analysis of hydrogen bond in polypropylene/chlorinated polypropylene/polyaniline composite. Polymer Engineering and Science, 2012, 52, 2627-2636.	3.1	4

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37	The mechanism study on the cooperative flame resistance effect between HMP and NP in ABS by TG&FTIR. Journal of Thermal Analysis and Calorimetry, 2017, 129, 303-314.	3.6	4
38	Effects of different types of unsymmetrical squaraines on the material properties and Coulomb interactions in organic photovoltaic devices. Materials Chemistry Frontiers, 2018, 2, 2116-2123.	5.9	4
39	Facile Utilization of Spent LiCoO <sub>2</sub> in Separator Decoration of Lithium-Sulfur Batteries. Industrial & Engineering Chemistry Research, 2020, 59, 17911-17917.	3.7	4
40	Research and application of a high-performance fluorocarbon plate prepared <i>via</i> modified a high temperature mould pressing method. RSC Advances, 2020, 10, 32265-32275.	3.6	3
41	Ionic liquid-induced <i>in situ</i> deposition of perovskite quantum dot films with a photoluminescence quantum yield of over 85%. Nanoscale, 2021, 13, 20067-20077.	5.6	3
42	Fire retardant synergism of hydroquinone bis(diphenyl phosphate) and novolac phenol in acrylonitrile&butadiene&styrene copolymer. Fire and Materials, 2015, 39, 557-569.	2.0	2
43	Thermal studies on Li(CH <sub>3</sub> CN) <sub>4</sub> PF <sub>6</sub> and Li(C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> ) <sub>2</sub> PF <sub>6</sub> complexes by the TG&DTA&MS and DSC. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1287-1293.	3.6	1
44	Study on in-situ polymerization of PANI/APP and its application in HDPE. Polymer Bulletin, 2018, 75, 345-370.	3.3	1
45	Mechanism and kinetics study of Mg <sup>2+</sup> removal from wet&process phosphoric acid by Sinco&430 resin. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	1
46	Research on Freeze Drying and High-temperature Molding in Medium-temperature Fluorocarbon Board. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 777-785.	1.0	1