

# Patrick Bottke

## List of Publications by Year in descending order

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19  
papers

1,216  
citations

840776

11  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1866  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Breaking of Lignin and Mesopore Formation in Zinc Chloride Assisted Hydrothermal Carbonization of Waste Biomasses. <i>Journal of Carbon Research</i> , 2021, 7, 77.	2.7	1
2	Study of Polarization Characteristics of Corrosion Films on Magnesium in Sulfate-Containing Electrolytes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1406.	2.5	3
3	Converting bimetallic M (M = Ni, Co, or Fe) Sn nanoparticles into phosphides: a general strategy for the synthesis of ternary metal phosphide nanocrystals. <i>Nanoscale Advances</i> , 2019, 1, 2663-2673.	4.6	3
4	Graphitic carbon nitride synthesized by simple pyrolysis: role of precursor in photocatalytic hydrogen production. <i>New Journal of Chemistry</i> , 2019, 43, 6909-6920.	2.8	116
5	Facile determination of the degree of modification of ordered mesoporous silica by liquid phase NMR. <i>Microporous and Mesoporous Materials</i> , 2019, 274, 342-346.	4.4	8
6	The Effect of Donor Additives on the Stability and Structure of 5-Phenylphosphinoacenaphthyl lithium. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 712-720.	2.0	8
7	Disordered but primitive gallosilicate hydro-sodalite: Structure and thermal behaviour of a framework with novel cation distribution. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 206-213.	4.4	6
8	Ion dynamics in solid electrolytes for lithium batteries. <i>Journal of Electroceramics</i> , 2017, 38, 142-156.	2.0	83
9	Electrochemical properties of spinel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles prepared via a low-temperature solid route. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2673-2683.	2.5	17
10	Li Ion Dynamics in Nanocrystalline and Structurally Disordered Li <sub>2</sub> TiO <sub>3</sub> . <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1363-1374.	2.8	11
11	A simple and straightforward mechanochemical synthesis of the far-from-equilibrium zinc aluminate, ZnAl <sub>2</sub> O <sub>4</sub> , and its response to thermal treatment. <i>RSC Advances</i> , 2015, 5, 54321-54328.	3.6	37
12	Small Change Great Effect: Steep Increase of Li Ion Dynamics in Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> at the Early Stages of Chemical Li Insertion. <i>Chemistry of Materials</i> , 2015, 27, 1740-1750.	6.7	102
13	Ion Dynamics in Solid Electrolytes: NMR Reveals the Elementary Steps of Li <sup>+</sup> Hopping in the Garnet Li <sub>6.5</sub> La <sub>3</sub> Zr <sub>1.75</sub> Mo <sub>0.25</sub> O <sub>12</sub> . <i>Chemistry of Materials</i> , 2015, 27, 6571-6582.	6.7	60
14	Novel amino propyl substituted organo tin compounds. <i>Canadian Journal of Chemistry</i> , 2014, 92, 565-573.	1.1	9
15	DFT Study of the Role of Al <sup>3+</sup> in the Fast Ion-Conductor Li <sub>7</sub> Al <sup>3+</sup> Al <sup>3+</sup> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> Garnet. <i>Chemistry of Materials</i> , 2014, 26, 2617-2623.		108
16	Li ion dynamics in TiO <sub>2</sub> anode materials with an ordered hierarchical pore structure insights from ex situ NMR. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1894-1901.	2.8	24
17	Towards a lattice-matching solid-state battery: synthesis of a new class of lithium-ion conductors with the spinel structure. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6107.	2.8	29
18	Synthesis of ternary transition metal fluorides Li <sub>3</sub> MF <sub>6</sub> via a sol-gel route as candidates for cathode materials in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 15819.	6.7	32

#	ARTICLE	IF	CITATIONS
19	Structure and dynamics of the fast lithium ion conductor $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ , Physical Chemistry Chemical Physics, 2011, 13, 19378.	2.8	559