Patrick Bottke

List of Publications by Year in descending order

19	1,216	840776 11	794594 19
papers	citations	h-index	g-index

19	19	19	1866
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure and dynamics of the fast lithium ion conductor â€œLi7La3Zr2O12â€. Physical Chemistry Chemical Physics, 2011, 13, 19378.	2.8	559
2	Graphitic carbon nitride synthesized by simple pyrolysis: role of precursor in photocatalytic hydrogen production. New Journal of Chemistry, 2019, 43, 6909-6920.	2.8	116
3	DFT Study of the Role of Al³⁺ in the Fast Ion-Conductor Li_{7â€“3x}Al³⁺_xLa₃Zr₂O₁₂ Garnet. Chemistry of Materials, 2014, 26, 2617-2623.	6.7	108
4	Small Changeâ€”Great Effect: Steep Increase of Li Ion Dynamics in Li₄Ti₅O₁₂ at the Early Stages of Chemical Li Insertion. Chemistry of Materials, 2015, 27, 1740-1750.	6.7	102
5	Ion dynamics in solid electrolytes for lithium batteries. Journal of Electroceramics, 2017, 38, 142-156.	2.0	83
6	Ion Dynamics in Solid Electrolytes: NMR Reveals the Elementary Steps of Li⁺ Hopping in the Garnet Li_{6.5}La₃Zr_{1.75}Mo_{0.25}O₁₂. Chemistry of Materials, 2015, 27, 6571-6582.	6.7	60
7	A simple and straightforward mechanochemical synthesis of the far-from-equilibrium zinc aluminate, ZnAl₂O₄, and its response to thermal treatment. RSC Advances, 2015, 5, 54321-54328.	3.6	37
8	Synthesis of ternary transition metal fluorides Li3MF6via a solâ€“gel route as candidates for cathode materials in lithium-ion batteries. Journal of Materials Chemistry, 2012, 22, 15819.	6.7	32
9	Towards a lattice-matching solid-state battery: synthesis of a new class of lithium-ion conductors with the spinel structure. Physical Chemistry Chemical Physics, 2013, 15, 6107.	2.8	29
10	Li ion dynamics in TiO₂anode materials with an ordered hierarchical pore structure â€“ insights from ex situ NMR. Physical Chemistry Chemical Physics, 2014, 16, 1894-1901.	2.8	24
11	Electrochemical properties of spinel Li4Ti5O12 nanoparticles prepared via a low-temperature solid route. Journal of Solid State Electrochemistry, 2016, 20, 2673-2683.	2.5	17
12	Li Ion Dynamics in Nanocrystalline and Structurally Disordered Li₂TiO₃. Zeitschrift Fur Physikalische Chemie, 2015, 229, 1363-1374.	2.8	11
13	Novel amino propyl substituted organo tin compounds. Canadian Journal of Chemistry, 2014, 92, 565-573.	1.1	9
14	Facile determination of the degree of modification of ordered mesoporous silica by liquid phase NMR. Microporous and Mesoporous Materials, 2019, 274, 342-346.	4.4	8
15	The Effect of Donor Additives on the Stability and Structure of 5â€Diphenylphosphinoacenaphthâ€6â€yllithium. European Journal of Inorganic Chemistry, 2019, 2019, 712-720.	2.0	8
16	Disordered but primitive gallosilicate hydro-sodalite: Structure and thermal behaviour of a framework with novel cation distribution. Microporous and Mesoporous Materials, 2018, 256, 206-213.	4.4	6
17	Converting bimetallicÂM (M = Ni, Co, or Fe)â€“Sn nanoparticles into phosphides: a general strategy for the synthesis of ternary metal phosphide nanocrystals. Nanoscale Advances, 2019, 1, 2663-2673.	4.6	3
18	Study of Polarization Characteristics of Corrosion Films on Magnesium in Sulfate-Containing Electrolytes. Applied Sciences (Switzerland), 2020, 10, 1406.	2.5	3

#	Article	IF	Citations
19	Enhanced Breaking of Lignin and Mesopore Formation in Zinc Chloride Assisted Hydrothermal Carbonization of Waste Biomasses. Journal of Carbon Research, 2021, 7, 77.	2.7	1