

# Petr Kovář

## List of Publications by Year in descending order

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23  
papers

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citations

840119

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794141

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times ranked

544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyryns Intercalated in Zn/Al and Mg/Al Layered Double Hydroxides: Properties and Structural Arrangement. <i>Chemistry of Materials</i> , 2010, 22, 2481-2490.	3.2	59
2	Inorganic~Organic Hybrid Materials: Layered Zinc Hydroxide Salts with Intercalated Porphyrin Sensitizers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16321-16328.	1.5	35
3	Insight into the Structure of Layered Zinc Hydroxide Salts Intercalated with Dodecyl Sulfate Anions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27131-27141.	1.5	35
4	Molecular modeling of layered double hydroxide intercalated with benzoate, modeling and experiment. <i>Journal of Molecular Modeling</i> , 2007, 13, 937-942.	0.8	29
5	Intercalation of paracetamol into the hydrotalcite-like host. <i>Journal of Solid State Chemistry</i> , 2011, 184, 3329-3335.	1.4	26
6	Precipitation, stabilization and molecular modeling of ZnS nanoparticles in the presence of cetyltrimethylammonium bromide. <i>Journal of Colloid and Interface Science</i> , 2012, 377, 58-63.	5.0	23
7	Selection of Covalent Organic Framework Pore Functionalities for Differential Adsorption of Microcystin Toxin Analogues. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 15053-15063.	4.0	22
8	Mg-Al layered double hydroxide intercalated with porphyrin anions: molecular simulations and experiments. <i>Journal of Molecular Modeling</i> , 2010, 16, 223-233.	0.8	20
9	Extraction of Ibuprofen from Natural Waters Using a Covalent Organic Framework. <i>Molecules</i> , 2020, 25, 3132.	1.7	19
10	Robust Aluminum and Iron Phosphinate Metal~Organic Frameworks for Efficient Removal of Bisphenol A. <i>Inorganic Chemistry</i> , 2020, 59, 5538-5545.	1.9	17
11	Layered double hydroxide intercalated with p-methylbenzoate and p-bromobenzoate: Molecular simulations and XRD analysis. <i>Journal of Colloid and Interface Science</i> , 2008, 319, 19-24.	5.0	15
12	Adsorption of nerve agent simulants onto vermiculite structure: Experiments and modelling. <i>Journal of Hazardous Materials</i> , 2020, 382, 121001.	6.5	12
13	Geometry optimization of zirconium sulfophenylphosphonate layers by molecular simulation methods. <i>Journal of Molecular Modeling</i> , 2018, 24, 10.	0.8	7
14	Intercalates of Strontium Phenylphosphonate with Alcohols ~ Structure Analysis by Experimental and Molecular Modeling Methods. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1552-1561.	1.0	6
15	Intercalation of 1, n -diols into strontium phenylphosphonate: How the shape of the host layers influences arrangement of the guest molecules. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 181-188.	5.0	6
16	Molecular modeling of surface modification of Wyoming and Cheto montmorillonite by methylene blue. <i>Journal of Molecular Modeling</i> , 2009, 15, 1391-1396.	0.8	5
17	Alkaline-earth metal phenylphosphonates and their intercalation chemistry. <i>Dalton Transactions</i> , 2018, 47, 2867-2880.	1.6	5
18	Structural Arrangement of 4~(Dimethylamino)phenylazo]pyridine Push~Pull Molecules in Acidic Layered Hosts Solved by Experimental and Calculation Methods. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 115-123.	1.0	4

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19	Influence of 1,2-alkanediols on the structure of their intercalates with strontium phenylphosphonate solved by molecular simulation and experimental methods. <i>Journal of Molecular Modeling</i> , 2016, 22, 143.	0.8	3
20	How Intercalated Sodium, Copper, and Iron Cations Influence the Structural Arrangement of Zirconium Sulfophenylphosphonate Layers? Theoretical and Experimental Points of View. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2488-2495.	1.5	3
21	Agglomeration of ZnS nanoparticles without capping additives at different temperatures. <i>Open Chemistry</i> , 2014, 12, 312-317.	1.0	2
22	Molecular modelling of zinc sulphide nanoparticles stabilized by cetyltrimethylammonium bromide. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 1545-1559.	0.4	0
23	How N-(pyridin-4-yl)pyridin-4-amine and its methyl and nitro derivatives are arranged in the interlayer space of zirconium sulfophenylphosphonate: a problem solved by experimental and calculation methods. <i>Journal of Computer-Aided Molecular Design</i> , 2020, 34, 683-695.	1.3	0