Jan Svoboda

List of Publications by Year in Descending Order

61 papers	546 citations	13 h-index	20 g-index
67 ext. papers	634 ext. citations	4.4 avg, IF	3.62 L-index

#	Paper	IF	Citations
61	The asymmetric Henry reaction as synthetic tool for the preparation of the drugs linezolid and rivaroxaban.. *Beilstein Journal of Organic Chemistry*, **2022**, 18, 438-445	2.5	
60	Resonance Raman Excitation Profiles of Fe(II)-Terpyridine Complexes: Electronic Effects of Ligand Modifications. *Journal of Physical Chemistry B*, **2021**, 125, 12847-12858	3.4	0
59	Recent advances in palladium-catalysed asymmetric 1,4-additions of arylboronic acids to conjugated enones and chromones. *Beilstein Journal of Organic Chemistry*, **2021**, 17, 1048-1085	2.5	1
58	Antifouling fluoropolymer-coated nanomaterials for F MRI. *Chemical Communications*, **2021**, 57, 4718-4721	3.8	4
57	Synthesis of ()-3-[amino(phenyl)methylidene]-1,3-dihydro-2-indol-2-ones using an Eschenmoser coupling reaction. *Beilstein Journal of Organic Chemistry*, **2021**, 17, 527-539	2.5	2
56	Synthesis of the Kinase Inhibitors Nintedanib, Hesperadin, and Their Analogues Using the Eschenmoser Coupling Reaction. *Journal of Organic Chemistry*, **2021**, 86, 10621-10629	4.2	1
55	Unraveling the influence of substrate on the growth rate, morphology and covalent structure of surface adherent polydopamine films. *Colloids and Surfaces B: Biointerfaces*, **2021**, 205, 111897	6	3
54	Recoverable polystyrene-supported palladium catalyst for construction of all-carbon quaternary stereocenters via asymmetric 1,4-addition of arylboronic acids to cyclic enones. *Reactive and Functional Polymers*, **2020**, 153, 104615	4.6	2
53	Enantioselective Synthesis of Clavaminol A, Xestoaminol C and their Stereoisomers Exhibiting Cytotoxic Activity. *European Journal of Organic Chemistry*, **2020**, 2020, 3671-3679	3.2	2
52	Conformation in Ultrathin Polymer Brush Coatings Resolved by Infrared Nanoscopy. *Analytical Chemistry*, **2020**, 92, 4716-4720	7.8	6
51	Hydrogen Bonding as a Tool to Control Chain Structure of PEDOT: Electrochemical Synthesis in the Presence of Different Electrolytes. *Macromolecules*, **2020**, 53, 2464-2473	5.5	4
50	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. *Journal of Computer-Aided Molecular Design*, **2020**, 34, 683-695	4.2	
49	Formation of Layered Proton-Conducting Zirconium and Titanium Organophosphonates by Topotactic Reaction: Physicochemical Properties, Proton Dynamics, and Atomic-Resolution Structure. *Inorganic Chemistry*, **2020**, 59, 505-513	5.1	4
48	Surface Design of Antifouling Vascular Constructs Bearing Biofunctional Peptides for Tissue Regeneration Applications. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
47	Role of -Benzoquinone in the Synthesis of a Conducting Polymer, Polyaniline. *ACS Omega*, **2019**, 4, 7128-7139	3.7	16
46	Peroxidase-like activity of magnetic poly(glycidyl methacrylate-co-ethylene dimethacrylate) particles. *Scientific Reports*, **2019**, 9, 1543	4.9	3
45	Poly(2-oxazoline)s One-Pot Polymerization and Surface Coating: From Synthesis to Antifouling Properties Out-Performing Poly(ethylene oxide). *Biomacromolecules*, **2019**, 20, 3453-3463	6.9	12

44	Lead Halide Residue as a Source of Light-Induced Reversible Defects in Hybrid Perovskite Layers and Solar Cells. *ACS Energy Letters*, **2019**, 4, 3011-3017	20.1	29
43	How Intercalated Sodium, Copper, and Iron Cations Influence the Structural Arrangement of Zirconium Sulfophenylphosphonate Layers? Theoretical and Experimental Points of View. *Journal of Physical Chemistry C*, **2019**, 123, 2488-2495	3.8	2
42	Multifunctional polypyrrole@maghemite@silver composites: synthesis, physico-chemical characterization and antibacterial properties. *Chemical Papers*, **2018**, 72, 1789-1797	1.9	8
41	Alkaline-earth metal phenylphosphonates and their intercalation chemistry. *Dalton Transactions*, **2018**, 47, 2867-2880	4.3	3
40	Cerium(IV) phenylphosphonates and para-substituted phenylphosphonates: preparation and characterization. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2017**, 87, 331-339	1.7	2
39	Copper(II) complexes of 2-(pyridine-2-yl)imidazolidine-4-thione derivatives for asymmetric Henry reactions. *Tetrahedron: Asymmetry*, **2017**, 28, 791-796		8
38	Intercalation of alcohols into barium phenylphosphonate: Influence of the number and position of functional groups in the guests on their arrangement in the intercalates. *Journal of Solid State Chemistry*, **2017**, 251, 211-216	3.3	1
37	Synthesis and characterization of new barium methylphosphonates. *Dalton Transactions*, **2017**, 46, 5363-5372	4.3	
36	Singlet fission in thin films of metallo-supramolecular polymers with ditopic thiophene-bridged terpyridine ligands. *Journal of Materials Chemistry C*, **2017**, 5, 8041-8051	7.1	13
35	Structural Arrangement of 4-[4-(Dimethylamino)phenylazo]pyridine Push–Pull Molecules in Acidic Layered Hosts Solved by Experimental and Calculation Methods. *European Journal of Inorganic Chemistry*, **2017**, 2017, 115-123	2.3	4
34	Recent Advances in C-C and C-N Bond Forming Reactions Catalysed by Polystyrene-Supported Copper Complexes. *Molecules*, **2017**, 22,	4.8	20
33	Geometry optimization of zirconium sulfophenylphosphonate layers by molecular simulation methods. *Journal of Molecular Modeling*, **2017**, 24, 10	2	7
32	Influence of 1,2-alkanediols on the structure of their intercalates with strontium phenylphosphonate solved by molecular simulation and experimental methods. *Journal of Molecular Modeling*, **2016**, 22, 143	2	3
31	Effect of intercalation and chromophore arrangement on the linear and nonlinear optical properties of model aminopyridine push–pull molecules. *Journal of Materials Chemistry C*, **2016**, 4, 468-478	7.1	37
30	Intercalation of 1,n-diols into strontium phenylphosphonate: how the shape of the host layers influences arrangement of the guest molecules. *Journal of Colloid and Interface Science*, **2015**, 460, 181-8	3.3	6
29	Intercalates of Strontium Phenylphosphonate with Alcohols – Structure Analysis by Experimental and Molecular Modeling Methods. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1552-1561	2.3	6
28	Organization and intramolecular charge-transfer enhancement in tripodal tris[(pyridine-4-yl)phenyl]amine push-pull molecules by intercalation into layered materials bearing acidic functionalities. *Dalton Transactions*, **2014**, 43, 10462-70	4.3	18
27	Synthesis and characterization of ester and amide derivatives of titanium(IV) carboxymethylphosphonate. *Journal of Solid State Chemistry*, **2013**, 202, 93-98	3.3	

26	Intercalation chemistry of zirconium 4-sulfophenylphosphonate. *Journal of Solid State Chemistry*, **2013**, 208, 58-64	3.3	10
25	New layered functionalized titanium(IV) phenylphosphonates. *Journal of Physics and Chemistry of Solids*, **2012**, 73, 1452-1455	3.9	7
24	New copper aryl phosphonates with auxiliary nitrogen ligands. *CrystEngComm*, **2012**, 14, 3469	3.3	7
23	Intercalation chemistry of layered vanadyl phosphate: a review. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2012**, 73, 33-53		28
22	Strontium Methylphosphonate Trihydrate: An Example of a New Class of Host Materials for Intercalation Reactions Synthesis, Structure and Intercalation Behavior. *European Journal of Inorganic Chemistry*, **2011**, 2011, 850-859	2.3	5
21	A Three-Dimensional Channel Supramolecular Architecture Based on 3-Amino-2-(4-dimethylaminophenyldiazenyl)-1-phenylbut-2-en-1-one and Aromatic Guests *Crystal Growth and Design*, **2010**, 10, 85-91	3.5	7
20	Synthesis and characterization of new zirconium 4-sulfophenylphosphonates. *Solid State Ionics*, **2010**, 181, 705-713	3.3	40
19	Intercalation behavior of calcium phenylphosphonate dihydrate CaC6H5PO3 2H2O. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2010**, 66, 279-284		8
18	Intercalation behavior of barium phenylphosphonate. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 530-533	3.9	6
17	Synthesis and characterization of copper 4-carboxyphenylphosphonates. *Journal of Solid State Chemistry*, **2009**, 182, 3155-3161	3.3	12
16	New barium 4-carboxyphenylphosphonates: Synthesis, characterization and interconversions. *Solid State Sciences*, **2008**, 10, 1533-1542	3.4	13
15	Synthesis and characterization of new potential intercalation hosts Barium arylphosphonates. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 1439-1443	3.9	20
14	Synthesis and characterization of new strontium 4-carboxyphenylphosphonates. *Journal of Solid State Chemistry*, **2007**, 180, 929-939	3.3	26
13	Intercalation of esters into vanadyl phosphate. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 765-769	3.9	3
12	Intercalation of aminonaphthalenes into zirconium hydrogenphosphate. *Journal of Physics and Chemistry of Solids*, **2007**, 68, 803-807	3.9	6
11	Intercalation of 1,2-Alkanediols into Zirconium Hydrogenphosphate. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2007**, 58, 95-101		1
10	New strontium phenylphosphonate: synthesis and characterization. *Solid State Sciences*, **2006**, 8, 1380-1385	3.4	25
9	Intercalation of lactones into vanadyl phosphate. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 961-964	3.9	2

8	Intercalation of Dimethyl Carbonate, Diethyl Carbonate and Ethylene Carbonate into Vanadyl Phosphate. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2006**, 54, 271-274		2
7	Intercalation of Toluidines into Zirconium Hydrogenphosphate. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2006**, 55, 289-293		1
6	Synthesis and characterization of new calcium phenylphosphonates and 4-carboxyphenylphosphonates. *Inorganic Chemistry*, **2005**, 44, 9968-76	5.1	50
5	Intercalation of Dyes Containing SO3H Groups into ZnAl Layered Double Hydroxide. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2005**, 51, 97-101		10
4	Intercalation of 2-Naphthol-3,6-disulfonate, 9,10-Anthraquinone-2,6-disulfonate, and 9,10-Anthraquinone-2-sulfonate Anions into ZnAl Layered Double Hydroxide. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, **2005**, 53, 41-46		5
3	Kinetics and Mechanism of Acetoxymercuration and Acid-Catalysed Hydration of Alkylstyrenes. *International Journal of Molecular Sciences*, **2005**, 6, 30-44	6.3	1
2	Intercalation of Tartrazine Into ZnAl and MgAl Layered Double Hydroxides. *Collection of Czechoslovak Chemical Communications*, **2005**, 70, 259-268		9
1	Preparation of ammonium intercalated vanadyl phosphate by redox intercalation and ion exchange. *Journal of Solid State Chemistry*, **2004**, 177, 1173-1178	3.3	6