

Jan Svoboda

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1412463/publications.pdf>

Version: 2024-02-01

65
papers

735
citations

623574

14
h-index

610775

24
g-index

67
all docs

67
docs citations

67
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	Lead Halide Residue as a Source of Light-Induced Reversible Defects in Hybrid Perovskite Layers and Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 3011-3017.	8.8	57
2	Synthesis and Characterization of New Calcium Phenylphosphonates and 4-Carboxyphenylphosphonates. <i>Inorganic Chemistry</i> , 2005, 44, 9968-9976.	1.9	51
3	Synthesis and characterization of new zirconium 4-sulfophenylphosphonates. <i>Solid State Ionics</i> , 2010, 181, 705-713.	1.3	43
4	Effect of intercalation and chromophore arrangement on the linear and nonlinear optical properties of model aminopyridine push-pull molecules. <i>Journal of Materials Chemistry C</i> , 2016, 4, 468-478.	2.7	40
5	Intercalation chemistry of layered vanadyl phosphate: a review. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2012, 73, 33-53.	1.6	32
6	Poly(2-oxazoline)s One-Pot Polymerization and Surface Coating: From Synthesis to Antifouling Properties Out-Performing Poly(ethylene oxide). <i>Biomacromolecules</i> , 2019, 20, 3453-3463.	2.6	29
7	Synthesis and characterization of new strontium 4-carboxyphenylphosphonates. <i>Journal of Solid State Chemistry</i> , 2007, 180, 929-939.	1.4	26
8	New strontium phenylphosphonate: synthesis and characterization. <i>Solid State Sciences</i> , 2006, 8, 1380-1385.	1.5	25
9	Recent Advances in C-C and C-N Bond Forming Reactions Catalysed by Polystyrene-Supported Copper Complexes. <i>Molecules</i> , 2017, 22, 865.	1.7	22
10	Role of <i>p</i> -Benzoquinone in the Synthesis of a Conducting Polymer, Polyaniline. <i>ACS Omega</i> , 2019, 4, 7128-7139.	1.6	22
11	Synthesis and characterization of new potential intercalation hosts barium arylphosphonates. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1439-1443.	1.9	20
12	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. <i>Dalton Transactions</i> , 2014, 43, 10462-10470.	1.6	19
13	Singlet fission in thin films of metallo-supramolecular polymers with ditopic thiophene-bridged terpyridine ligands. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8041-8051.	2.7	17
14	Grafting density and antifouling properties of poly[<i>N</i> -(2-hydroxypropyl) methacrylamide] brushes prepared by α -grafting to and α -grafting from. <i>Polymer Chemistry</i> , 2022, 13, 3815-3826.	1.9	17
15	Conformation in Ultrathin Polymer Brush Coatings Resolved by Infrared Nanoscopy. <i>Analytical Chemistry</i> , 2020, 92, 4716-4720.	3.2	16
16	Unraveling the influence of substrate on the growth rate, morphology and covalent structure of surface adherent polydopamine films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111897.	2.5	16
17	Antifouling fluoropolymer-coated nanomaterials for ^{19}F MRI. <i>Chemical Communications</i> , 2021, 57, 4718-4721.	2.2	15
18	New barium 4-carboxyphenylphosphonates: Synthesis, characterization and interconversions. <i>Solid State Sciences</i> , 2008, 10, 1533-1542.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Copper(II) complexes of 2-(pyridine-2-yl)imidazolidine-4-thione derivatives for asymmetric Henry reactions. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 791-796.	1.8	13
20	Synthesis and characterization of copper 4-carboxyphenylphosphonates. <i>Journal of Solid State Chemistry</i> , 2009, 182, 3155-3161.	1.4	12
21	Surface Design of Antifouling Vascular Constructs Bearing Biofunctional Peptides for Tissue Regeneration Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6800.	1.8	12
22	Hydrogen Bonding as a Tool to Control Chain Structure of PEDOT: Electrochemical Synthesis in the Presence of Different Electrolytes. <i>Macromolecules</i> , 2020, 53, 2464-2473.	2.2	12
23	Intercalation chemistry of zirconium 4-sulfophenylphosphonate. <i>Journal of Solid State Chemistry</i> , 2013, 208, 58-64.	1.4	11
24	Multifunctional polypyrrole@maghemite@silver composites: synthesis, physico-chemical characterization and antibacterial properties. <i>Chemical Papers</i> , 2018, 72, 1789-1797.	1.0	11
25	Intercalation of Dyes Containing SO ₃ H Groups into Zn-Al Layered Double Hydroxide. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 51, 97-101.	1.6	10
26	Intercalation of Tartrazine Into ZnAl and MgAl Layered Double Hydroxides. <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 259-268.	1.0	10
27	Intercalation behavior of calcium phenylphosphonate dihydrate CaC ₆ H ₅ PO ₃ ·2H ₂ O. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 66, 279-284.	1.6	8
28	A Three-Dimensional Channel Supramolecular Architecture Based on 3-Amino-2-(4-dimethylaminophenyldiazenyl)-1-phenylbut-2-en-1-one and Aromatic Guests. <i>Crystal Growth and Design</i> , 2010, 10, 85-91.	1.4	8
29	New layered functionalized titanium(IV) phenylphosphonates. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1452-1455.	1.9	8
30	New copper aryl phosphonates with auxiliary nitrogen ligands. <i>CrystEngComm</i> , 2012, 14, 3469.	1.3	8
31	Synthesis of 3-[amino(phenyl)methylidene]-1,3-dihydro-2H-indol-2-ones using an Eschenmoser coupling reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 527-539.	1.3	8
32	Diphyllin Shows a Broad-Spectrum Antiviral Activity against Multiple Medically Important Enveloped RNA and DNA Viruses. <i>Viruses</i> , 2022, 14, 354.	1.5	8
33	Geometry optimization of zirconium sulfophenylphosphonate layers by molecular simulation methods. <i>Journal of Molecular Modeling</i> , 2018, 24, 10.	0.8	7
34	Recent advances in palladium-catalysed asymmetric 1,4-additions of arylboronic acids to conjugated enones and chromones. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1048-1085.	1.3	7
35	Preparation of ammonium intercalated vanadyl phosphate by redox intercalation and ion exchange. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1173-1178.	1.4	6
36	Intercalation of aminonaphthalenes into β -zirconium hydrogenphosphate. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 803-807.	1.9	6

#	ARTICLE	IF	CITATIONS
37	Intercalation behavior of barium phenylphosphonate. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 530-533.	1.9	6
38	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
39	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
40	Recoverable polystyrene-supported palladium catalyst for construction of all-carbon quaternary stereocenters via asymmetric 1,4-addition of arylboronic acids to cyclic enones. <i>Reactive and Functional Polymers</i> , 2020, 153, 104615.	2.0	6
41	Preparation of Smart Surfaces Based on PNaSS@PEDOT Microspheres: Testing of E. coli Detection. <i>Sensors</i> , 2022, 22, 2784.	2.1	6
42	Intercalation of 2-Naphthol-3,6-disulfonate, 9,10-Anthraquinone-2,6-disulfonate, and 9,10-Anthraquinone-2-sulfonate Anions into Zn ²⁺ /Al Layered Double Hydroxide. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2005, 53, 41-46.	1.6	5
43	Strontium Methylphosphonate Trihydrate: An Example of a New Class of Host Materials for Intercalation Reactions – Synthesis, Structure and Intercalation Behavior. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 850-859.	1.0	5
44	Alkaline-earth metal phenylphosphonates and their intercalation chemistry. <i>Dalton Transactions</i> , 2018, 47, 2867-2880.	1.6	5
45	Peroxidase-like activity of magnetic poly(glycidyl methacrylate-co-ethylene dimethacrylate) particles. <i>Scientific Reports</i> , 2019, 9, 1543.	1.6	5
46	Formation of Layered Proton-Conducting Zirconium and Titanium Organophosphonates by Topotactic Reaction: Physicochemical Properties, Proton Dynamics, and Atomic-Resolution Structure. <i>Inorganic Chemistry</i> , 2020, 59, 505-513.	1.9	5
47	Synthesis of the Kinase Inhibitors Nintedanib, Hesperadin, and Their Analogues Using the Eschenmoser Coupling Reaction. <i>Journal of Organic Chemistry</i> , 2021, 86, 10621-10629.	1.7	5
48	Resonance Raman Excitation Profiles of Fe(II)–Terpyridine Complexes: Electronic Effects of Ligand Modifications. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12847-12858.	1.2	5
49	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
50	Intercalation of esters into vanadyl phosphate. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 765-769.	1.9	3
51	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
52	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
53	Intercalation of lactones into vanadyl phosphate. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 961-964.	1.9	2
54	Intercalation of Dimethyl Carbonate, Diethyl Carbonate and Ethylene Carbonate into Vanadyl Phosphate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 54, 271-274.	1.6	2

#	ARTICLE	IF	CITATIONS
55	Cerium(IV) phenylphosphonates and para-substituted phenylphosphonates: preparation and characterization. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017, 87, 331-339.	0.9	2
56	Enantioselective Synthesis of Clavamamol A, Xestoaminol C and their Stereoisomers Exhibiting Cytotoxic Activity. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3671-3679.	1.2	2
57	Kinetics and Mechanism of Acetoxymercuration and Acid-Catalysed Hydration of $\hat{\pm}$ -Alkylstyrenes. <i>International Journal of Molecular Sciences</i> , 2005, 6, 30-44.	1.8	1
58	Intercalation of Toluidines into $\hat{\pm}$ -Zirconium Hydrogenphosphate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 55, 289-293.	1.6	1
59	Intercalation of 1,2-Alkanediols into $\hat{\pm}$ -Zirconium Hydrogenphosphate. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 58, 95-101.	1.6	1
60	Intercalation of alcohols into barium phenylphosphonate: Influence of the number and position of functional groups in the guests on their arrangement in the intercalates. <i>Journal of Solid State Chemistry</i> , 2017, 251, 211-216.	1.4	1
61	Synthesis and characterization of ester and amide derivatives of titanium(IV) carboxymethylphosphonate. <i>Journal of Solid State Chemistry</i> , 2013, 202, 93-98.	1.4	0
62	Synthesis and characterization of new barium methylphosphonates. <i>Dalton Transactions</i> , 2017, 46, 5363-5372.	1.6	0
63	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
64	Synthesis and Characterization of New Boron Compounds Using Reaction of Diazonium Tetraphenylborate with Enaminoamides. <i>Molecules</i> , 2022, 27, 367.	1.7	0
65	The asymmetric Henry reaction as synthetic tool for the preparation of the drugs linezolid and rivaroxaban. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 438-445.	1.3	0