

Miroslav Almasi

List of Publications by Year in descending order

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papers

949
citations

361413

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477307

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41
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41
docs citations

41
times ranked

1068
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel nickel metal-organic framework with fluorite-like structure: gas adsorption properties and catalytic activity in Knoevenagel condensation. Dalton Transactions, 2014, 43, 3730.	3.3	83
2	Metal-organic framework MIL-101(Fe)-NH ₂ functionalized with different long-chain polyamines as drug delivery system. Inorganic Chemistry Communication, 2018, 93, 115-120.	3.9	74
3	Ce(III) and Lu(III) metal-organic frameworks with Lewis acid metal sites: Preparation, sorption properties and catalytic activity in Knoevenagel condensation. Catalysis Today, 2015, 243, 184-194.	4.4	66
4	Ordered cubic nanoporous silica support MCM-48 for delivery of poorly soluble drug indomethacin. Applied Surface Science, 2018, 443, 525-534.	6.1	43
5	New members of MOF-76 family containing Ho(III) and Tm(III) ions: Characterization, stability and gas adsorption properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 496, 114-124.	4.7	41
6	Metal-organic framework MIL-101(Fe)-NH ₂ as an efficient host for sulphur storage in long-cycle Li-S batteries. Electrochimica Acta, 2020, 354, 136640.	5.2	41
7	New silver complexes with bioactive glycine and nicotinamide molecules – Characterization, DNA binding, antimicrobial and anticancer evaluation. Journal of Inorganic Biochemistry, 2017, 168, 1-12.	3.5	40
8	Adsorption properties, the pH-sensitive release of 5-fluorouracil and cytotoxicity studies of mesoporous silica drug delivery matrix. Applied Surface Science, 2020, 504, 144028.	6.1	37
9	A drug delivery system based on switchable photo-controlled p-coumaric acid derivatives anchored on mesoporous silica. Journal of Materials Chemistry B, 2017, 5, 817-825.	5.8	36
10	Microporous Lead-Organic Framework for Selective CO ₂ Adsorption and Heterogeneous Catalysis. Inorganic Chemistry, 2018, 57, 1774-1786.	4.0	31
11	pH-responsive mesoporous silica drug delivery system, its biocompatibility and co-adsorption/co-release of 5-Fluorouracil and Naproxen. Applied Surface Science, 2021, 561, 150011.	6.1	28
12	Cytotoxicity study and influence of SBA-15 surface polarity and pH on adsorption and release properties of anticancer agent pemetrexed. Materials Science and Engineering C, 2020, 109, 110552.	7.3	27
13	A series of four novel alkaline earth metal-organic frameworks constructed of Ca, Sr, Ba ions and tetrahedral MTB linker: structural diversity, stability study and low/high-pressure gas adsorption properties. RSC Advances, 2020, 10, 32323-32334.	3.6	27
14	A novel zinc metal-organic framework with a diamond-like structure: synthesis, study of thermal robustness and gas adsorption properties. Dalton Transactions, 2016, 45, 1233-1242.	3.3	26
15	Layer-pillared zinc(II) metal-organic framework built from 4,4'-azo(bis)pyridine and 1,4-BDC. Microporous and Mesoporous Materials, 2010, 129, 354-359.	4.4	25
16	Efficient and Reusable Pb(II) Metal-Organic Framework for Knoevenagel Condensation. Catalysis Letters, 2018, 148, 2263-2273.	2.6	25
17	Large and tunable magnetocaloric effect in gadolinium-organic framework: tuning by solvent exchange. Scientific Reports, 2019, 9, 15572.	3.3	25
18	In vivo study of light-driven naproxen release from gated mesoporous silica drug delivery system. Scientific Reports, 2021, 11, 20191.	3.3	25

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19	Thermosensitive Drug Delivery System SBA-15-PEI for Controlled Release of Nonsteroidal Anti-Inflammatory Drug Diclofenac Sodium Salt: A Comparative Study. <i>Materials</i> , 2021, 14, 1880.	2.9	24
20	Synthesis, characterization and sorption properties of zinc(II) metal-organic framework containing methanetetrazoate ligand. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 437, 101-107.	4.7	21
21	Synthesis, characterization and spectral properties of novel azo-azomethine-tetracarboxylic Schiff base ligand and its Co(II), Ni(II), Cu(II) and Pd(II) complexes. <i>Inorganica Chimica Acta</i> , 2021, 515, 120064.	2.4	20
22	New silver(I) pyridinecarboxylate complexes: synthesis, characterization, and antimicrobial therapeutic potential. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1002-1021.	2.2	16
23	Zinc(II) and cadmium(II) amorphous metal-organic frameworks (aMOFs): study of activation process and high-pressure adsorption of greenhouse gases. <i>RSC Advances</i> , 2021, 11, 20137-20150.	3.6	16
24	Gd(III) metal-organic framework as an effective humidity sensor and its hydrogen adsorption properties. <i>Chemosphere</i> , 2022, 305, 135467.	8.2	16
25	Metal-Organic Framework MOF-76(Nd): Synthesis, Characterization, and Study of Hydrogen Storage and Humidity Sensing. <i>Frontiers in Energy Research</i> , 2021, 8, .	2.3	15
26	A review on state of art and perspectives of Metal-Organic frameworks (MOFs) in the fight against coronavirus SARS-CoV-2. <i>Journal of Coordination Chemistry</i> , 2021, 74, 2111-2127.	2.2	15
27	Photo-switchable nanoporous silica supports for controlled drug delivery. <i>New Journal of Chemistry</i> , 2018, 42, 13263-13271.	2.8	13
28	Mesoporous Silica as a Drug Delivery System for Naproxen: Influence of Surface Functionalization. <i>Molecules</i> , 2020, 25, 4722.	3.8	13
29	An <i>in vitro</i> selective inhibitory effect of silver(I) aminoacidates against bacteria and intestinal cell lines and elucidation of the mechanism of action by means of DNA binding properties, DNA cleavage and cell cycle arrest. <i>Dalton Transactions</i> , 2021, 50, 936-953.	3.3	11
30	Acridine Based N-Acylhydrazone Derivatives as Potential Anticancer Agents: Synthesis, Characterization and ctDNA/HSA Spectroscopic Binding Properties. <i>Molecules</i> , 2022, 27, 2883.	3.8	11
31	Anionic zinc(II) metal-organic framework post-synthetically modified by alkali-ion exchange: Synthesis, characterization and hydrogen adsorption properties. <i>Inorganica Chimica Acta</i> , 2021, 526, 120505.	2.4	10
32	First 3D coordination polymer built from Ho(III) and 2-aminoterephthalate ligand. <i>Inorganic Chemistry Communication</i> , 2014, 39, 39-42.	3.9	9
33	Novel Lanthanide(III) Porphyrin-Based Metal-Organic Frameworks: Structure, Gas Adsorption, and Magnetic Properties. <i>ACS Omega</i> , 2021, 6, 24637-24649.	3.5	7
34	Magnetic and Structural Studies into the Effect of Solvent Exchange Process in Metal-Organic Framework MOF-76(Gd). <i>Acta Physica Polonica A</i> , 2017, 131, 991-993.	0.5	7
35	<i>In vitro</i> biological evaluation and consideration about structure-activity relationship of silver(I) aminoacidate complexes. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111170.	3.5	6
36	An unprecedented coordination mode of isonicotinate ligand in novel copper(II) polymeric complex: synthesis, spectral, thermal and magnetic properties and their comparison with known molecular analog. <i>Inorganic Chemistry Communication</i> , 2014, 46, 118-121.	3.9	5

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37	Characterization and magnetic properties of two novel copper(II) coordination polymers prepared by different synthetic techniques. <i>Inorganic Chemistry Communication</i> , 2016, 74, 66-71.	3.9	5
38	Silver (<sc>i</sc>) pyridylphosphonates â€“ synthesis, structure, stability and light-insensitivity investigation. <i>RSC Advances</i> , 2019, 9, 1570-1575.	3.6	4
39	Current development in MOFs for hydrogen storage. , 2022, , 631-661.		3
40	A highly stable terbium(III) metal-organic framework MOF-76(Tb) for hydrogen storage and humidity sensing. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	2
41	A novel approach to achieve molecular switching in solid-state driving by thermal treatment: A photochromic zinc-coordination polymer. <i>Inorganica Chimica Acta</i> , 2020, 512, 119879.	2.4	0