

Petri A Turhanen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6006972/publications.pdf>

Version: 2024-02-01

46
papers

775
citations

516561

16
h-index

552653

26
g-index

52
all docs

52
docs citations

52
times ranked

939
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized nanoporous silicon for extraction of Sc from a leach solution. Hydrometallurgy, 2022, , 105866.	1.8	2
2	Synthesis and Theoretical Studies of Aromatic Azaborines. Organics, 2022, 3, 196-209.	0.6	0
3	Rapid synthesis of nanostructured porous silicon carbide from biogenic silica. Journal of the American Ceramic Society, 2021, 104, 766-775.	1.9	6
4	Meyer-Schuster Rearrangement—Convenient Synthesis of αβ-Unsaturated α-Iodinated Aldehydes and Ketones. General Chemistry, 2021, 7, 200023-200023.	0.6	0
5	Editorial: Phosphonate Chemistry in Drug Design and Development. Frontiers in Chemistry, 2021, 9, 695128.	1.8	12
6	Plant-based nanostructured silicon carbide modified with bisphosphonates for metal adsorption. Microporous and Mesoporous Materials, 2021, 324, 111294.	2.2	5
7	Recovery of uranium with bisphosphonate modified mesoporous silicon. Separation and Purification Technology, 2021, 272, 118913.	3.9	27
8	Calcium and Strontium Coordination Polymers as Controlled Delivery Systems of the Anti-Osteoporosis Drug Risedronate and the Augmenting Effect of Solubilizers. Applied Sciences (Switzerland), 2021, 11, 11383.	1.3	10
9	Bisphosphonate modified mesoporous silicon for scandium adsorption. Microporous and Mesoporous Materials, 2020, 296, 109980.	2.2	21
10	Self-sacrificial MOFs for ultra-long controlled release of bisphosphonate anti-osteoporotic drugs. Chemical Communications, 2020, 56, 5166-5169.	2.2	31
11	(<i>E</i>)-Di-iodination of Alkynes Using Dried Dowex H ⁺ /NaI Approach. ACS Omega, 2019, 4, 14663-14668.	1.6	2
12	Green and Efficient Esterification Method Using Dried Dowex H ⁺ /NaI Approach. ACS Omega, 2019, 4, 8974-8984.	1.6	15
13	Phosphorus chemistry: from small molecules, to polymers, to pharmaceutical and industrial applications. Pure and Applied Chemistry, 2019, 91, 421-441.	0.9	24
14	Integrated analysis of isopentenyl pyrophosphate (IPP) toxicity in isoprenoid-producing Escherichia coli. Metabolic Engineering, 2018, 47, 60-72.	3.6	106
15	Bisphosphonate-Generated ATP-Analogs Inhibit Cell Signaling Pathways. Journal of the American Chemical Society, 2018, 140, 7568-7578.	6.6	27
16	Selective Calcium-Dependent Inhibition of ATP-Gated P2X3 Receptors by Bisphosphonate-Induced Endogenous ATP Analog Appl. Journal of Pharmacology and Experimental Therapeutics, 2017, 361, 472-481.	1.3	21
17	Semi-preparative high-performance countercurrent chromatography method for the purification of chemically synthesized ATP analogue, Appl. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1063, 180-182.	1.2	9
18	Smart, programmable and responsive injectable hydrogels for controlled release of cargo osteoporosis drugs. Scientific Reports, 2017, 7, 4743.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Synthesis of a Biologically Important Adenosine Triphosphate Analogue, ApppD. ACS Omega, 2017, 2, 2835-2838.	1.6	6
20	Synthesis of medronic acid monoesters and their purification by high-performance countercurrent chromatography or by hydroxyapatite. Beilstein Journal of Organic Chemistry, 2016, 12, 2145-2149.	1.3	2
21	Preparation of useful building blocks, $\hat{1}$ -iodo- and bromoalkanols from cyclic ethers using the Dowex H ⁺ /NaX (X = I, Br) approach. RSC Advances, 2016, 6, 15937-15940.	1.7	3
22	Two strategies for the synthesis of the biologically important ATP analogue Apppl, at a multi-milligram scale. Beilstein Journal of Organic Chemistry, 2015, 11, 2189-2193.	1.3	8
23	Advanced material and approach for metal ions removal from aqueous solutions. Scientific Reports, 2015, 5, 8992.	1.6	79
24	A powerful tool for acid catalyzed organic addition and substitution reactions. RSC Advances, 2015, 5, 26218-26222.	1.7	7
25	Structural Requirements for Bisphosphonate Binding on Hydroxyapatite: NMR Study of Bisphosphonate Partial Esters. ACS Medicinal Chemistry Letters, 2015, 6, 397-401.	1.3	38
26	Selective acetylation of primary amino groups with phenyl acetate; simple synthesis of N,N'-diacetyl polyamines. Arkivoc, 2015, 2015, 42-49.	0.3	2
27	Firefly Luciferase Inhibitor-Conjugated Peptide Quenches Bioluminescence: A Versatile Tool for Real Time Monitoring Cellular Uptake of Biomolecules. Bioconjugate Chemistry, 2014, 25, 4-10.	1.8	13
28	Synthesis of Triple-Bond-Containing 1-Hydroxy-1,1-bisphosphonic Acid Derivatives To Be Used as Precursors in "Click" Chemistry: Two Examples. Journal of Organic Chemistry, 2014, 79, 6330-6335.	1.7	6
29	A bisphosphonate increasing the shoot biomass of the metal hyperaccumulator Noccaea caerulescens. Chemosphere, 2014, 95, 566-571.	4.2	7
30	A novel bisphosphonate-based solid phase method for effective removal of chromium(iii) from aqueous solutions and tannery effluents. RSC Advances, 2013, 3, 14132.	1.7	21
31	First bisphosphonate hydrogelators: potential compositors of biocompatible gels. Journal of Materials Chemistry B, 2013, 1, 6201.	2.9	11
32	The selective stepwise chemical hydrolysis of alkylcarbonate groups from novel mixed alkylcarbonate trialkyl ester derivatives of etidronic acid. RSC Advances, 2013, 3, 2417.	1.7	1
33	Large glucosylthioureidocalixarenes: selective hosts for mono- and bisphosphonates. Supramolecular Chemistry, 2012, 24, 228-233.	1.5	3
34	Systematic Study of the Physicochemical Properties of a Homologous Series of Aminobisphosphonates. Molecules, 2012, 17, 10928-10945.	1.7	32
35	Preparation of mixed trialkyl alkylcarbonate derivatives of etidronic acid via an unusual route. Beilstein Journal of Organic Chemistry, 2012, 8, 2019-2024.	1.3	5
36	A novel strategy for the synthesis of enzymatically stable biotin-DOTA conjugates for in vivo use. MedChemComm, 2011, 2, 886.	3.5	3

#	ARTICLE	IF	CITATIONS
37	Unexpected degradation of the bisphosphonate P-C-P bridge under mild conditions. Beilstein Journal of Organic Chemistry, 2008, 4, 7.	1.3	8
38	A Novel Strategy for the Preparation of Naturally Occurring Phosphocitrate and Its Partially Esterified Derivatives. Journal of Organic Chemistry, 2007, 72, 1468-1471.	1.7	17
39	Synthesis of novel (1-alkanoyloxy-4-alkanoylaminobutylidene)-1,1-bisphosphonic acid derivatives. Beilstein Journal of Organic Chemistry, 2006, 2, 2.	1.3	9
40	The First Synthesis of Novel (1-Alkoxy-carbonyloxyethylidene)-1,1-bisphosphonic Acid Derivatives Taking Advantage of the Rearrangement Characteristic of the Tetramethyl Ester of Etidronate. Synthesis, 2005, 2005, 2119-2121.	1.2	11
41	Strategies for the Preparation of (1-Acetyloxyethylidene)-1,1-bisphosphonic Acid Derivatives. Synthesis, 2004, 2004, 0992-0994.	1.2	11
42	One-Pot Synthesis of 1-[(1-Phenyl-1-Dialkoxyphosphoryl)-Methyl]-2- Pyrrolidinone. Letters in Organic Chemistry, 2004, 1, 343-345.	0.2	0
43	First synthesis of etidronate partial amides starting from PCl ₃ . Organic and Biomolecular Chemistry, 2003, 1, 3223-3226.	1.5	12
44	BISPHOSPHONATE PRODRUGS. SYNTHESIS AND IDENTIFICATION OF (1-HYDROXYETHYLIDENE)-1,1-BISPHOSPHONIC ACID TETRAESTERS BY MASS SPECTROMETRY, NMR SPECTROSCOPY AND X-RAY CRYSTALLOGRAPHY. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 170, 115-133.	0.8	29
45	Bisphosphonate Prodrugs. Selective Synthesis of (1-Hydroxyethylidene)-1,1-bisphosphonate Partial Esters. Synthesis, 2001, 2001, 0633-0637.	1.2	26
46	Bisphosphonate prodrugs: synthesis and in vitro evaluation of alkyl and acyloxymethyl esters of etidronic acid as bioreversible prodrugs of etidronate. European Journal of Pharmaceutical Sciences, 2000, 11, 173-180.	1.9	49