

Alajos GrÃ¼n

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	“Greener” Synthesis of Zoledronic Acid from Imidazol-1-yl-acetic Acid and P-Reagents Using Diethyl Carbonate as the Solvent Component. <i>Letters in Organic Chemistry</i> , 2021, 18, 8-12.	0.2	1
2	A Study on the Synthesis of Risedronic Acid: The Role of an Ionic Liquid Additive. <i>Letters in Drug Design and Discovery</i> , 2019, 16, 238-244.	0.4	6
3	The Synthesis of \pm -Hydroxy- and \pm -Chlorophosphonic Acid Derivatives Starting from Benzaldehydes and Phosphorous Acid or Dimethyl Phosphite. <i>Current Organic Chemistry</i> , 2019, 23, 968-973.	0.9	0
4	Microwave irradiation and catalysis in organophosphorus chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 391-395.	0.8	0
5	Rational synthesis of \pm -hydroxyphosphonic derivatives including dronic acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 386-387.	0.8	3
6	Efficient syntheses of zoledronic acid as an active ingredient of a drug against osteoporosis. <i>Synthetic Communications</i> , 2018, 48, 663-671.	1.1	10
7	Synthesis of β -mannitol-based crown ethers and their application as catalyst in asymmetric phase transfer reactions. <i>Chirality</i> , 2018, 30, 407-419.	1.3	20
8	Asymmetric cyclopropanation reactions catalyzed by carbohydrate-based crown ethers. <i>Tetrahedron</i> , 2018, 74, 3512-3526.	1.0	21
9	Highly Stereoselective Synthesis of trans-Dihydrnarclisline Analogues. <i>Synthesis</i> , 2018, 50, 625-643.	1.2	4
10	Efficient Synthesis of Ibandronate in the Presence of an Ionic Liquid. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 713-720.	0.4	9
11	Synthesis and Recovery of Pyridine- and Piperidine-based Camphorsulfonamide Organocatalysts Used for Michael Addition Reaction. <i>Periodica Polytechnica: Chemical Engineering</i> , 2018, 62, .	0.5	3
12	Stereoselective synthesis of trans-dihydrnarclisline derivatives containing a 1,4-benzodioxane moiety. <i>Monatshefte für Chemie</i> , 2018, 149, 2265-2285.	0.9	4
13	10. Dronic acid derivatives “ An important group of phosphorus-containing drugs. , 2018, , 199-213.		0
14	Synthesis of β -threitol-based crown ethers and their application as enantioselective phase transfer catalyst in Michael additions. <i>Chirality</i> , 2017, 29, 257-272.	1.3	17
15	Investigation of the effect of medium in the preparation of alendronate: till now the best synthesis in the presence of an ionic liquid additive. <i>Heteroatom Chemistry</i> , 2017, 28, e21370.	0.4	7
16	The First Enantioselective Total Synthesis of (β)-trans-Dihydrnarclisline. <i>Journal of Natural Products</i> , 2017, 80, 1909-1917.	1.5	18
17	Advantages of the Microwave Tool in Organophosphorus Syntheses. <i>Synthesis</i> , 2017, 49, 3069-3083.	1.2	28
18	Proton dissociation properties of arylphosphonates: Determination of accurate Hammett equation parameters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 143, 101-109.	1.4	8

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19	Green chemical syntheses and applications within organophosphorus chemistry. <i>Structural Chemistry</i> , 2017, 28, 431-443.	1.0	10
20	The Role of Phosphorus Trichloride and Phosphorous Acid in the Formation of α -Hydroxymethylenebisphosphonic Acids from the Corresponding Carboxylic Acids – A Mechanistic Overview. <i>Current Organic Chemistry</i> , 2017, 21, .	0.9	9
21	The Synthesis of 3-Phenylpropidronate Applying Phosphorus Trichloride and Phosphorous Acid in Methanesulfonic Acid. <i>Current Organic Chemistry</i> , 2016, 20, 1745-1752.	0.9	6
22	Efficient Synthesis of Pamidronic Acid Using an Ionic Liquid Additive. <i>Letters in Drug Design and Discovery</i> , 2016, 13, 475-478.	0.4	6
23	Synthesis of Hydroxymethylenebisphosphonic Acid Derivatives in Different Solvents. <i>Molecules</i> , 2016, 21, 1046.	1.7	15
24	Synthetic study on the T3P®-promoted one-pot preparation of 1-substituted-3,4-dihydro- β -carbolines by the reaction of tryptamine with carboxylic acids. <i>Tetrahedron Letters</i> , 2016, 57, 1953-1957.	0.7	17
25	Crown ether derived from d-glucose as an efficient phase-transfer catalyst for the enantioselective Michael addition of malonates to enones. <i>Tetrahedron: Asymmetry</i> , 2016, 27, 960-972.	1.8	22
26	Synthesis of β -D-galactose-based azacrown ethers and their application as enantioselective catalysts in Michael reactions. <i>New Journal of Chemistry</i> , 2016, 40, 7856-7865.	1.4	23
27	Milestones in microwave-assisted organophosphorus chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1416-1420.	0.8	4
28	The synthesis of dronic acid derivatives in sulfolane or in the presence of ionic liquids as additives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1619-1620.	0.8	0
29	The Synthesis of Risedronic Acid and Alendronate Applying Phosphorus Oxychloride and Phosphorous Acid in Methanesulfonic Acid. <i>Letters in Drug Design and Discovery</i> , 2015, 12, 253-258.	0.4	6
30	Solid-Liquid Phase C-Alkylation of Active Methylene Containing Compounds under Microwave Conditions. <i>Catalysts</i> , 2015, 5, 634-652.	1.6	16
31	Environmentally Friendly Chemistry with Organophosphorus Syntheses in Focus. <i>Periodica Polytechnica: Chemical Engineering</i> , 2015, 59, 82-95.	0.5	6
32	Microwave Irradiation As a Substitute for Phase Transfer Catalyst in CAlkylation Reactions. <i>Current Green Chemistry</i> , 2015, 2, 254-263.	0.7	6
33	Rational Synthesis of Dronic Acid Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 2116-2124.	0.8	9
34	Green Chemical Synthesis of Bisphosphonic/Dronic Acid Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 664-667.	0.8	4
35	Asymmetric Michael Addition of Malonates to Enones Catalyzed by an β -D-Glucopyranoside-Based Crown Ether. <i>Synlett</i> , 2015, 26, 1847-1851.	1.0	33
36	The Rational Synthesis of Fenidronate. <i>Letters in Organic Chemistry</i> , 2014, 11, 368-373.	0.2	11

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37	Efficient Synthesis of Benzidronate Applying of Phosphorus Trichloride and Phosphorous Acid. Letters in Drug Design and Discovery, 2014, 12, 78-84.	0.4	5
38	Dialkylation of Diethyl Ethoxycarbonylmethylphosphonate under Microwave and Solventless Conditions. Heteroatom Chemistry, 2014, 25, 107-113.	0.4	12
39	“Greener”-synthesis of bisphosphonic/dronic acid derivatives. Green Processing and Synthesis, 2014, 3, 111-116.	1.3	10
40	Enantioselective Michael addition of malonates to aromatic nitroalkenes catalyzed by monosaccharide-based chiral crown ethers. Tetrahedron: Asymmetry, 2014, 25, 141-147.	1.8	31
41	The Synthesis of Pamidronic Derivatives in Different Solvents: An Optimization and a Mechanistic Study. Heteroatom Chemistry, 2014, 25, 186-193.	0.4	16
42	Environmentally Friendly Syntheses and Tools. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 39-41.	0.8	2
43	A new xantphos-type ligand and its gold(I) complexes: Synthesis, structure, luminescence. Polyhedron, 2013, 55, 57-66.	1.0	7
44	Microwave-Assisted Amidation of Arylacetic Acids by Reaction with 2-Aryl-ethylamines. Synthetic Communications, 2013, 43, 1491-1498.	1.1	5
45	Optimized Synthesis of Etidronate. Letters in Drug Design and Discovery, 2013, 10, 733-737.	0.4	10
46	Microwave Irradiation and Phase Transfer Catalysis in C-, O- and N-Alkylation Reactions.. Current Organic Synthesis, 2013, 10, 751-763.	0.7	33
47	Microwave-Assisted Organophosphorus Synthesis. Current Organic Chemistry, 2013, 17, 545-554.	0.9	38
48	Rational Synthesis of Ibandronate and Alendronate. Current Organic Synthesis, 2013, 10, 640-644.	0.7	19
49	N-Heterocyclic Dronic Acids: Applications and Synthesis. Mini-Reviews in Medicinal Chemistry, 2012, 12, 313-325.	1.1	44
50	Synthesis and Proton Dissociation Properties of Arylphosphonates: A Microwave-Assisted Catalytic Arbuzov Reaction with Aryl Bromides. Heteroatom Chemistry, 2012, 23, 574-582.	0.4	45
51	Microwave-assisted alkylation of diethyl ethoxycarbonylmethylphosphonate under solventless conditions. Heteroatom Chemistry, 2012, 23, 241-246.	0.4	17
52	Microwave-Assisted Esterification of Phosphinic Acids by Alcohols, Phenols, and Alkyl Halogenides. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 802-803.	0.8	3
53	Solid-liquid two-phase alkylation of tetraethyl methylenebisphosphonate under microwave irradiation. Heteroatom Chemistry, 2011, 22, 11-14.	0.4	26
54	Solid-liquid phase alkylation of P=O-functionalized CH acidic compounds utilizing phase transfer catalysis and microwave irradiation. Heteroatom Chemistry, 2011, 22, 174-179.	0.4	25

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55	Phenyl-, benzyl-, and unsymmetrical hydroxy-methylenebisphosphonates as dronic acid ester analogues from α -oxophosphonates by microwave-assisted syntheses. <i>Heteroatom Chemistry</i> , 2011, 22, 640-648.	0.4	29
56	Asymmetric C-C bond formation via Darzens condensation and Michael addition using monosaccharide-based chiral crown ethers. <i>Tetrahedron Letters</i> , 2011, 52, 1473-1476.	0.7	43
57	Optimized synthesis of N-heterocyclic dronic acids; closing a black-box era. <i>Tetrahedron Letters</i> , 2011, 52, 2744-2746.	0.7	37
58	Quaternary Phosphonium Salt and 1,3-Dialkylimidazolium Hexafluorophosphate Ionic Liquids as Green Chemical Tools in Organic Syntheses. <i>Current Organic Chemistry</i> , 2011, 15, 3824-3848.	0.9	27
59	Microwave-Assisted Esterification of Phosphinic Acids. <i>Current Organic Chemistry</i> , 2011, 15, 1802-1810.	0.9	69
60	Green Chemical Tools in Organophosphorus Chemistry” Organophosphorus Tools in Green Chemistry. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 613-620.	0.8	15
61	Solid-Liquid Phase Alkylation of N-Heterocycles: Microwave-Assisted Synthesis as an Environmentally Friendly Alternative. <i>Synthetic Communications</i> , 2010, 40, 2291-2301.	1.1	26
62	Monitoring the Phosphorylation of Phenol Derivatives with Diethyl Chlorophosphate in Liquid-Liquid and Solid-Liquid Phase by In Situ Fourier Transform Infrared Spectroscopy, Part II. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 2333-2340.	0.8	2
63	Ionophore-gold nanoparticle conjugates for Ag ⁺ -selective sensors with nanomolar detection limit. <i>Chemical Communications</i> , 2010, 46, 607-609.	2.2	55
64	Monitoring the Phosphorylation of Phenol with Diethyl Chlorophosphate in Aqueous Medium in the Presence of Sodium Hydroxide by in Situ Fourier Transform Infrared Spectroscopy. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 832-837.	0.8	4
65	Heterogeneous Phase Alkylation of Phenols Making Use of Phase Transfer Catalysis and Microwave Irradiation. <i>Letters in Organic Chemistry</i> , 2009, 6, 535-539.	0.2	21
66	Synthesis of α -hydroxy-methylenebisphosphonates by the microwave-assisted reaction of α -oxophosphonates and dialkyl phosphites under solventless conditions. <i>Heteroatom Chemistry</i> , 2009, 20, 350-354.	0.4	43
67	Calixarene/Nafion-Modified Bismuth-Film Electrodes for Adsorptive Stripping Voltammetric Determination of Lead. <i>Electroanalysis</i> , 2009, 21, 1961-1969.	1.5	28
68	Microwave Irradiation as a Useful Tool in Organophosphorus Syntheses. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2009, 184, 1648-1652.	0.8	13
69	Cyclization of p-tert-Butylcalix[6]arene with Diols Under the Mitsunobu Protocol. A Conformational Study of the Peralkylated Derivatives. <i>Letters in Organic Chemistry</i> , 2009, 6, 311-315.	0.2	1
70	The Role of Phase Transfer Catalysis in the Microwave-Assisted N-Benylation of Amides, Imides and N-Heterocycles. <i>Letters in Organic Chemistry</i> , 2009, 6, 529-534.	0.2	6
71	Chemoselectivity in the microwave-assisted solvent-free solid-liquid phase benzylation of phenols: O-versus C-alkylation. <i>Tetrahedron Letters</i> , 2008, 49, 5039-5042.	0.7	36
72	Studies on inclusion complexes of calix[4]arenes capped by diamide bridges with small organic molecules. <i>Magnetic Resonance in Chemistry</i> , 2008, 46, 707-712.	1.1	1

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73	Highly enantioselective organocatalytic conjugate addition of nitromethane to benzylidene acetones. <i>Chirality</i> , 2008, 20, 1120-1126.	1.3	12
74	Synthesis, optical and electroanalytical characterizations of a thiacalix[4](N-phenylazacrown-5)etherâ€“BODIPY ionophore. <i>Tetrahedron</i> , 2008, 64, 1058-1063.	1.0	20
75	Synthesis, Characterization and Cation-Induced Isomerization of Photochromic Calix[4](aza)crown-Indolospiropyran Conjugates. <i>Supramolecular Chemistry</i> , 2008, 20, 255-263.	1.5	4
76	Crown bridged thiacalix[4]arenes as cesium-selective ionophores in solvent polymeric membrane electrodes. <i>Analytica Chimica Acta</i> , 2006, 569, 42-49.	2.6	26
77	Novel potentiometric and optical silver ion-selective sensors with subnanomolar detection limits. <i>Analytica Chimica Acta</i> , 2006, 572, 1-10.	2.6	90
78	Functionalized thiacalix- and calix[4]arene-based Ag ⁺ ionophores: synthesis and comparative NMR study. <i>Tetrahedron</i> , 2006, 62, 10215-10222.	1.0	34
79	1,1'-Binaphtho(aza)crowns Carrying Photochromic Signalling Unit, I: Synthesis, Characterization and Cation Recognition Properties. <i>Supramolecular Chemistry</i> , 2006, 18, 67-76.	1.5	10
80	Complex formation between aliphatic amines and chromogenic calix[4]arene derivatives studied by FTâ€“IR spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 506-517.	2.0	18
81	Catalytic enantioselective Michael addition in the synthesis of α -aminophosphonates. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3837-3840.	1.8	40
82	¹ H and ⁷ Li NMR Study on the Complex Formation of Lithium Cations with Pyridinium Derivatives of Calix[4]arenes. <i>Supramolecular Chemistry</i> , 2004, 16, 415-421.	1.5	4
83	Absorption, fluorescence, and cd spectroscopic study of chiral recognition by a binaphthyl-derived chromogenic calixcrown host. <i>Chirality</i> , 2004, 16, 174-179.	1.3	19
84	Selective O-alkylations with glycol chlorohydrins via the Mitsunobu reaction. A versatile route to calix[4]- and 1,1â€“binaphthocrowns. <i>Tetrahedron</i> , 2004, 60, 5041-5048.	1.0	13
85	Unprecedented Cyclizations of Calix[4]arenes with Glycols under the Mitsunobu Protocol, Part 2. 1O,O- and O,S-Bridged Calixarenes. <i>Organic Letters</i> , 2004, 6, 477-480.	2.4	19
86	Synthesis and Optical Investigation of Chromogenic 1,3-Calix[4]crowns. <i>Supramolecular Chemistry</i> , 2004, 16, 239-246.	1.5	9
87	Unprecedented cyclisations of calix[4]arenes with glycols under the Mitsunobu protocol. Part 1: A new perspective for the synthesis of calixcrowns. <i>Tetrahedron Letters</i> , 2003, 44, 4681-4684.	0.7	32
88	Synthesis of chiral 1,3-calix[4](crown-6) ethers as potential mediators for asymmetric recognition processes. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1025-1035.	1.8	28
89	Proton transfer and supramolecular complex formation between Nile Blue and tetraundecylcalix[4]resorcinareneâ€“a fluorescence spectroscopic study. <i>Perkin Transactions II RSC</i> , 2002, , 1784-1789.	1.1	9
90	Stereochemistry of capped calix[4]arenes in liquid and solid phase by NMR spectroscopy. <i>Perkin Transactions II RSC</i> , 2002, , 1187-1192.	1.1	7

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91	Anisotropy decay study on the host-guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene. <i>Journal of Proteomics</i> , 2002, 53, 101-108.	2.4	6
92	Photochromism of a spiropyran derivative of 1,3-calix[4]crown-5. <i>Journal of Molecular Structure</i> , 2002, 614, 69-73.	1.8	20
93	Synthesis and alkali cation extraction ability of 1,3-alt-thiacalix[4]bis(crown) ethers. <i>Tetrahedron Letters</i> , 2002, 43, 4153-4156.	0.7	39
94	Synthesis and alkali cation extraction ability of 1,3-alt-thiacalix[4]mono(crown) ethers. <i>Tetrahedron Letters</i> , 2002, 43, 7627-7629.	0.7	38
95	Solvent effect on the complex formation of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene. <i>Analytica Chimica Acta</i> , 2002, 461, 273-279.	2.6	30
96	Synthesis and Structure Elucidation of Chromogenic Calix[4]arene Indophenols Capped by Carboxamide Bridges. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 61-71.	1.2	24
97	Synthesis and Conformational Analysis of Dicationic N,N ⁺ -Bridged Bis(benzimidazolium) and Bis(imidazolium) Macrocycles. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2861.	1.2	22
98	Cavity shaped host-guest interaction of distally dialkylated calix[4]arenes with 1-chloro-4-(trifluoromethyl)benzene. <i>Analytica Chimica Acta</i> , 2001, 443, 227-234.	2.6	22
99	Studies on Calix(aza)crowns, III. Synthesis of 1,3-Alternate Calix[4]arenes Capped by Diamide Bridges. <i>Synthetic Communications</i> , 1999, 29, 3905-3917.	1.1	11
100	Studies on calix(aza)crowns, II. Synthesis of novel proximal doubly bridged calix[4]arenes by intramolecular ring closure of syn 1,3-and 1,2-%-chloroalkylamides. <i>Tetrahedron</i> , 1998, 54, 3857-3870.	1.0	36
101	Novel chromogenic pyridinium derivatives of calix[4]arenes,II. <i>Tetrahedron</i> , 1997, 53, 16867-16876.	1.0	18
102	Studies on calix(aza)crowns, I. Synthesis, alkylation reactions and comprehensive NMR investigation of capped calix[4]arenes. <i>Tetrahedron</i> , 1997, 53, 9799-9812.	1.0	62
103	Novel chromogenic pyridinium derivatives of calix[4]arenes, I. <i>Tetrahedron</i> , 1996, 52, 639-646.	1.0	34
104	An easy access to tetra-o-alkylated calix[4]arenes of cone conformation. <i>Tetrahedron</i> , 1995, 51, 7835-7840.	1.0	32
105	Chromogenic calix[4]arene as ionophore for potentiometric and optical sensors. <i>Talanta</i> , 1994, 41, 1041-1049.	2.9	67
106	The synthesis of hydroxymethylenebisphosphonic- (dronic-) and acyl-ethoxycarbonyl-methylphosphonate derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 0, , 1-3.	0.8	0