

Babak Kaboudin

List of Publications by Year in descending order

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171
papers

3,636
citations

147801

31
h-index

189892

50
g-index

229
all docs

229
docs citations

229
times ranked

3145
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple and new method for the synthesis of 1,5-benzodiazepine derivatives on a solid surface. <i>Tetrahedron Letters</i> , 2001, 42, 1127-1129.	1.4	177
2	Fe ₃ O ₄ nanoparticle-supported Cu(II)- β -cyclodextrin complex as a magnetically recoverable and reusable catalyst for the synthesis of symmetrical biaryls and 1,2,3-triazoles from aryl boronic acids. <i>Green Chemistry</i> , 2013, 15, 2266.	9.0	151
3	Microwave-assisted synthesis of 1-aminoalkyl phosphonates under solvent-free conditions. <i>Tetrahedron Letters</i> , 2001, 42, 8211-8213.	1.4	149
4	Cu(II)- β -Cyclodextrin Complex as a Nanocatalyst for the Homo- and Cross-Coupling of Arylboronic Acids under Ligand- and Base-Free Conditions in Air: Chemoselective Cross-Coupling of Arylboronic Acids in Water. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6656-6662.	2.4	115
5	One-pot synthesis of 1,2,3-triazoles from boronic acids in water using Cu(II)- β -cyclodextrin complex as a nanocatalyst. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4543.	2.8	104
6	Alumina/Phosphorus Pentoxide (APP) as an Efficient Reagent for the Synthesis of 1,5-Benzodiazepines under Microwave Irradiation. <i>Heterocycles</i> , 2001, 55, 1443.	0.7	94
7	A convenient synthesis of 1-aminophosphonates from 1-hydroxyphosphonates. <i>Tetrahedron Letters</i> , 2003, 44, 1051-1053.	1.4	91
8	Surface-Mediated Solid Phase Reactions: Preparation Of Diethyl 1-Hydroxyarylmethylphosphonates on the Surface of Magnesia. <i>Synthetic Communications</i> , 1997, 27, 543-551.	2.1	72
9	Conjugation of cyclodextrin to magnetic Fe ₃ O ₄ nanoparticles via polydopamine coating for drug delivery. <i>Progress in Organic Coatings</i> , 2018, 114, 154-161.	3.9	68
10	Copper(I) Iodide Catalyzed Synthesis of Thiophosphates by Coupling of H-Phosphonates with Benzenethiols. <i>Synthesis</i> , 2013, 45, 2323-2327.	2.3	66
11	β -Cyclodextrin as an efficient catalyst for the one-pot synthesis of 1-aminophosphonic esters in water. <i>Tetrahedron Letters</i> , 2007, 48, 9015-9017.	1.4	64
12	A simple and new method for the synthesis of thiophosphates. <i>Tetrahedron Letters</i> , 2002, 43, 8713-8714.	1.4	62
13	A simple and convenient procedure for the synthesis of 1-aminophosphonates from aromatic aldehydes. <i>Tetrahedron Letters</i> , 2005, 46, 2989-2991.	1.4	58
14	Photodegradation of methylene blue with a titanium dioxide/polyacrylamide photocatalyst under sunlight. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	58
15	Synthesis of novel phosphorothioates and phosphorodithioates and their differential inhibition of cholinesterases. <i>Bioorganic Chemistry</i> , 2009, 37, 101-105.	4.1	55
16	A Novel Synthesis of Diethyl 1-Aminoarylmethylphosphonates on the Surface of Alumina. <i>Tetrahedron Letters</i> , 1997, 38, 2543-2546.	1.4	48
17	Phosphorus Pentasulfide: A Mild and Versatile Reagent for the Preparation of Thioamides from Nitriles. <i>Synthesis</i> , 2006, 2006, 224-226.	2.3	45
18	Cyclometalated Platinum(II) Complexes Bearing Bidentate <i>O,O'</i> -Di(alkyl)dithiophosphate Ligands: Photoluminescence and Cytotoxic Properties. <i>Organometallics</i> , 2017, 36, 1707-1717.	2.3	45

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19	Surface-mediated solid-phase reactions: the preparation of acyl phosphonates by oxidation of 1-hydroxyphosphonates on the solid surface. <i>Tetrahedron Letters</i> , 2000, 41, 3169-3171.	1.4	42
20	Magnesia-supported hydroxylamine hydrochloride in the presence of sodium carbonate as an efficient reagent for the synthesis of 1,2,4-oxadiazoles from nitriles. <i>Tetrahedron Letters</i> , 2007, 48, 2829-2832.	1.4	42
21	N-arylation of amines: C-N coupling of amines with arylboronic acids using Fe ₃ O ₄ magnetic nanoparticles-supported EDTA-Cu complex in water. <i>RSC Advances</i> , 2014, 4, 49273-49279.	3.6	40
22	A new, efficient, and simple method for the synthesis of thiiranes from epoxides under solvent-free conditions. <i>Tetrahedron Letters</i> , 2004, 45, 1283-1285.	1.4	38
23	CuSO ₄ -Mediated Homocoupling of Arylboronic Acids under Ligand- and Base-Free Conditions in Air. <i>Synthesis</i> , 2011, 2011, 91-96.	2.3	38
24	A catalyst-free, three-component decarboxylative coupling of amino acids with aldehydes and H-dialkylphosphites for the synthesis of β -aminophosphonates. <i>Tetrahedron Letters</i> , 2013, 54, 4872-4875.	1.4	38
25	Pd(II)- β -cyclodextrin complex: Synthesis, characterization and efficient nanocatalyst for the selective Suzuki-Miyaura coupling reaction in water. <i>Journal of Organometallic Chemistry</i> , 2016, 818, 195-199.	1.8	38
26	Silica-Supported Ammonium Hydrogen Carbonate as an Efficient Reagent for One-Pot Synthesis of 1-Aminophosphonates from Aldehydes. <i>Synthesis</i> , 2003, 2003, 2705-2708.	2.3	36
27	Surface-Mediated Solid Phase Reactions: A Simple and New Method for the Synthesis of β -Aminophosphonates under Solvent-Free Conditions. <i>Chemistry Letters</i> , 2001, 30, 880-881.	1.3	35
28	β -Cyclodextrin@TiO ₂ : Green Nest for reduction of nitroaromatic compounds. <i>RSC Advances</i> , 2014, 4, 52762-52769.	3.6	35
29	Modification of nano-clays with ionic liquids for the removal of Cd (II) ion from aqueous phase. <i>Applied Clay Science</i> , 2018, 158, 236-245.	5.2	34
30	Alumina in Methanesulfonic Acid (AMA) as a New Efficient Reagent for Direct Acylation of Phenol Derivatives and Fries Rearrangement. A Convenient Synthesis of o-Hydroxyarylketones. <i>Journal of Chemical Research Synopses</i> , 1998, , 628-629.	0.3	33
31	One-Pot Synthesis of 1,2,4-Oxadiazoles Mediated by Microwave Irradiation under Solvent-Free Condition. <i>Heterocycles</i> , 2003, 60, 2287.	0.7	32
32	Microwave-assisted synthesis of β -aminophosphinic acids from hypophosphorus acid salts under solvent free conditions. <i>Tetrahedron Letters</i> , 2003, 44, 4243-4245.	1.4	31
33	A new, efficient, and simple method for the one-pot synthesis of β -acetoxyposphonates from aldehydes under solvent-free conditions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5324-5327.	2.2	31
34	Organic reactions in water: an efficient method for the synthesis of 1,2,4-oxadiazoles in water. <i>Tetrahedron Letters</i> , 2011, 52, 6424-6426.	1.4	31
35	Carbon nanotube-delivered suicide gene therapy for killing breast cancer cells in vitro. <i>Nanomedicine</i> , 2019, 14, 1033-1047.	3.3	31
36	Diastereoselective addition of β -substituted β -amino-H-phosphinates to imines using Yb(OTf) ₃ as an efficient Lewis acid catalyst. <i>Tetrahedron</i> , 2007, 63, 8199-8205.	1.9	30

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37	Calcium Chloride as an Efficient Lewis Base Catalyst for the One-pot Synthesis of $\hat{1}$ -Aminophosphonic Esters. <i>Chemistry Letters</i> , 2008, 37, 540-541.	1.3	30
38	A microwave-assisted solvent- and catalyst-free synthesis of aminomethylene bisphosphonates. <i>Tetrahedron Letters</i> , 2009, 50, 4243-4245.	1.4	30
39	Polymer supported gold nanoparticles: Synthesis and characterization of functionalized polystyrene-supported gold nanoparticles and their application in catalytic oxidation of alcohols in water. <i>Applied Surface Science</i> , 2017, 425, 400-406.	6.1	30
40	Ammonium Phosphorodithioate: A Mild, Easily Handled, Efficient, and Air-Stable Reagent for the Conversion of Amides into Thioamides. <i>Synlett</i> , 2011, 2011, 2807-2810.	1.8	29
41	The fluorescence spectroscopic studies on the interaction of novel aminophosphonic acids with bovine serum albumin. <i>Journal of Luminescence</i> , 2013, 139, 104-112.	3.1	29
42	A CONVENIENT AND MILD PROCEDURE FOR THE PREPARATION OF $\hat{1}$ -KETO PHOSPHONATES OF 1-HYDROXYPHOSPHONATES UNDER SOLVENT-FREE CONDITIONS USING MICROWAVE. <i>Synthetic Communications</i> , 2001, 31, 2245-2250.	2.1	27
43	Novel method for the synthesis of 1,2,4-oxadiazoles using alumina supported ammonium fluoride under solvent-free condition. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 699-701.	2.6	27
44	Synthesis of phosphorothioates using thiophosphate salts. <i>Beilstein Journal of Organic Chemistry</i> , 2006, 2, 4.	2.2	26
45	A simple, novel and convenient method for the synthesis of 1-aminophosphonic acids: synthesis of a novel C2-symmetric phosphonic acid pseudodipeptide. <i>Tetrahedron Letters</i> , 2009, 50, 1450-1452.	1.4	26
46	Highly water-dispersible magnetite nanoparticle supported-palladium $\hat{2}$ -cyclodextrin as an efficient catalyst for Suzuki $\hat{2}$ -Miyaura and Sonogashira coupling reactions. <i>RSC Advances</i> , 2016, 6, 52656-52664.	3.6	26
47	Efficient synthesis of 2-phenyl-3-substituted furo/thieno[2,3-b]quinoxalines via Sonogashira coupling reaction followed by iodocyclization and subsequent palladium-catalyzed cross-coupling reactions. <i>RSC Advances</i> , 2016, 6, 83901-83908.	3.6	26
48	SURFACE-MEDIATED SOLID PHASE REACTIONS: MICROWAVE ASSISTED ARBUZOV REARRANGEMENT ON THE SOLID SURFACE. <i>Synthetic Communications</i> , 2001, 31, 2773-2776.	2.1	25
49	A Novel Method for the Separation of Bis($\hat{1}$ -hydroxyalkyl)phosphonic Acid Diastereoisomers via Formation of Novel Cyclic Phosphonic Acids. <i>Journal of Organic Chemistry</i> , 2006, 71, 6604-6606.	3.2	25
50	A novel and convenient method for synthesis of carbamoyl and thiocarbamoyl phosphonates. <i>Heteroatom Chemistry</i> , 2009, 20, 250-253.	0.7	25
51	A Convenient Synthesis of Phosphorodithioates and Novel Conversion of Epoxides to Thiiranes. <i>Synthesis</i> , 2004, 2004, 2035-2039.	2.3	24
52	Diastereoselective Synthesis of Novel $\hat{1}$ -Amino- $\hat{1}$ - $\hat{2}$ -hydroxyphosphinates by Hydrophosphinylation of $\hat{1}$ -Amino- $\hat{1}$ -phosphinates to Aldehydes. <i>Synthesis</i> , 2007, 2007, 3226-3232.	2.3	24
53	Cancer Therapy and Imaging Through Functionalized Carbon Nanotubes Decorated with Magnetite and Gold Nanoparticles as a Multimodal Tool. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1280-1293.	2.9	24
54	Diastereoselective synthesis of $\hat{2}$ -substituted $\hat{1}$ -hydroxyphosphinates through hydrophosphinylation of $\hat{1}$ -heteroatom-substituted aldehydes. <i>Tetrahedron</i> , 2003, 59, 767-772.	1.9	22

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55	Assessment of spatial distribution of soil heavy metals using ANN-GA, MSLR and satellite imagery. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 214.	2.7	22
56	Hydrophosphorylation of Imines Catalyzed by Tosyl Chloride for the Synthesis of $\hat{\pm}$ -Aminophosphonates. <i>Synlett</i> , 2008, 2008, 1837-1839.	1.8	21
57	A simple and novel method for the direct conversion of carboxylic acids into thioamides. <i>RSC Advances</i> , 2013, 3, 6435.	3.6	21
58	Highly efficient photodeoximation under green and blue LEDs catalyzed by mesoporous CN codoped nano TiO ₂ . <i>Journal of Molecular Catalysis A</i> , 2014, 392, 112-119.	4.8	21
59	Phosphorylation of Phenols with Diethyl Chlorophosphonate on the Surface of Magnesia. <i>Journal of Chemical Research Synopses</i> , 1999, , 402-403.	0.3	20
60	One-Pot Synthesis of 1-Aminophosphinic acids using 50% Hypophosphorus Acid under microwave irradiation. <i>Journal of the Iranian Chemical Society</i> , 2008, 5, S97-S102.	2.2	20
61	The Synthesis of $\hat{\pm}$ -Hydroxyphosphonates Mediated by Microwave Irradiation under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2002, 2002, 291-292.	1.3	19
62	Novel Methods for the Synthesis of Phosphonate Esters on the Solid Surface. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1749-1751.	1.6	19
63	{[MIM-NO ₂] ₂ }[C(NO ₂) ₃] a unique nano ionic liquid: application to the synthesis of novel Biginelli-type compounds. <i>RSC Advances</i> , 2016, 6, 10114-10125.	3.6	19
64	Visible photo-induced catalyst-free polymerization via in situ prepared dibromide. <i>European Polymer Journal</i> , 2021, 144, 110195.	5.4	18
65	Methanesulfonic acid/phosphorus oxychloride (MAPO) as a new efficient reagent in the Fries rearrangement. <i>Tetrahedron</i> , 1999, 55, 12865-12872.	1.9	17
66	Alumina-Ammonium Acetate as an Efficient Reagent for the One-Pot Synthesis of cis-2,4,5-Triarylimidazolines from Aromatic Aldehydes. <i>Heterocycles</i> , 2005, 65, 353.	0.7	17
67	TMSCl-Promoted Addition of Diethyl Phosphite to an Imine for the Synthesis of Bis[1-diethoxyphosphorylalkyl]amines. <i>Synthesis</i> , 2006, 2006, 2339-2342.	2.3	17
68	First resolution of (R,R)- and (S,S)-bis(1-hydroxyphenylmethyl)phosphinic acids via diastereomeric salt formation with enantiopure 1-phenylethylamines. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 862-866.	1.8	17
69	Organic Reactions in Water: A Practical and Convenient Method for the N-Formylation of Amines in Water. <i>Synlett</i> , 2010, 2010, 2905-2907.	1.8	17
70	Synthesis, characterization and swelling behavior investigation of hydrogel based on AAm and AA using CdS nanorods as photocatalyst initiator under different irradiations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 330, 102-109.	3.9	17
71	CONVENIENT SYNTHESIS OF 1-AMINOALKYLPHOSPHONATES UNDER SOLVENT-FREE CONDITIONS. <i>Organic Preparations and Procedures International</i> , 2004, 36, 82-86.	1.3	16
72	Solvent- and catalyst-free reaction of (aminomethyl)phosphonates with epoxides: Synthesis of novel {[2-(hydroxyethyl)amino]methyl}phosphonates. <i>Heteroatom Chemistry</i> , 2010, 21, 284-289.	0.7	16

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73	Ultrasound-assisted one-pot synthesis of $\hat{I}\pm$ -oxycarbanilinosphosphonates via a three-component condensation of an aldehyde, diethyl phosphite and an isocyanate under solvent-free conditions. <i>Tetrahedron Letters</i> , 2011, 52, 4346-4348.	1.4	16
74	Chemoselective photocatalytic oxidation of alcohols to aldehydes and ketones by nitromethane on titanium dioxide under violet 400 nm LED light irradiation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2326-2330.	2.8	16
75	Recent Advances on the Application of Langlois's™ Reagent in Organic Transformations. <i>ChemistrySelect</i> , 2021, 6, 12998-13014.	1.5	16
76	The first separation and stereochemical determination of bis($\hat{I}\pm$ -hydroxyalkyl) phosphinic acids diastereoisomers. <i>Tetrahedron Letters</i> , 2005, 46, 7955-7957.	1.4	15
77	A Novel Method for the Synthesis of Bis(1-diethoxyphosphorylalkyl)amines from Diimines. <i>Synthesis</i> , 2006, 2006, 3063-3066.	2.3	15
78	Nano-sized Mn ₃ O ₄ and \hat{I}^2 -MnOOH from the decomposition of \hat{I}^2 -cyclodextrin-Mn: 2. The water-oxidizing activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 112-118.	3.8	15
79	Fe ₃ O ₄ @MgO nanoparticles as an efficient recyclable catalyst for the synthesis of phosphoroamidates via the Atherton-Todd reaction. <i>Tetrahedron Letters</i> , 2015, 56, 6364-6367.	1.4	15
80	Trichloroisocyanuric Acid as an Efficient Reagent for the Synthesis of Phosphoroamidates via Atherton-Todd Reaction under Base-Free Conditions. <i>Synthesis</i> , 2018, 50, 170-174.	2.3	15
81	ZnCl ₂ -Mediated Double Addition of Dialkylphosphite to Nitriles for the Synthesis of 1-Aminobisphosphonates. <i>Journal of Organic Chemistry</i> , 2019, 84, 14943-14948.	3.2	15
82	A novel synthesis of bis($\hat{I}\pm$ -hydroxyalkyl)phosphinic acids involving microwave irradiation. <i>Tetrahedron Letters</i> , 2004, 45, 9099-9101.	1.4	14
83	Reaction of 1-Amino Bisphosphinic Acids with Acid Chlorides: Synthesis of Novel Cyclic 1-Hydroxy-1- \hat{I}^2 -amino-1,1-bisphosphinic Acids. <i>Synlett</i> , 2010, 2010, 1837-1840.	1.8	14
84	Visible light active CdS nanorods: one-pot synthesis of aldonitrone. <i>New Journal of Chemistry</i> , 2016, 40, 9257-9262.	2.8	14
85	Regioselective synthesis of 2,3-disubstituted 1-alkyl pyrrolo[2,3-b] quinoxalines through palladium-catalyzed Heck reaction of chalcones and evaluation of their anti-bacterial activities. <i>Tetrahedron</i> , 2018, 74, 2350-2358.	1.9	14
86	A Novel Magnetic Carbon Nanotubes Functionalized with Pyridine Groups: Synthesis, Characterization and Their Application as an Efficient Carrier for Plasmid DNA and Aptamer. <i>ChemistrySelect</i> , 2018, 3, 6743-6749.	1.5	14
87	Electrochemical alcohols oxidation mediated by N-hydroxyphthalimide on nickel foam surface. <i>Scientific Reports</i> , 2020, 10, 19378.	3.3	13
88	Resolution of enantiomers of [$\hat{I}\pm$ -hydroxy-(o-chlorophenyl)methyl]phosphinic acid via diastereomeric salt formation with enantiopure 1-phenylethylamines. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1813-1816.	1.8	12
89	Synthesis of a New Class of Phosphinic Acids: Synthesis of Novel Four-Membered Cyclic Oxaphosphetanes by Intramolecular Mitsunobu Reaction of Bis($\hat{I}\pm$ -hydroxyalkyl)phosphinic Acids. <i>Synthesis</i> , 2011, 2011, 3185-3189.	2.3	12
90	A novel magneto-fluorescent microsphere: Preparation and characterization of polystyrene-supported Fe ₃ O ₄ and CdS nanoparticles. <i>Applied Surface Science</i> , 2013, 282, 396-399.	6.1	12

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91	A novel and simple method for the preparation of (R)- and (S)-pyrrolidine-2-phosphonic acids: phosphonic acid analogues of proline. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1562-1566.	1.8	12
92	Hydroxy- and Amino-Phosphonates and -Bisphosphonates: Synthetic Methods and Their Biological Applications. <i>Frontiers in Chemistry</i> , 2022, 10, .	3.6	12
93	Triethylphosphate/Phosphorus Pentoxide as an Efficient Reagent for the Phosphorylation of Phenols. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 776-780.	1.6	11
94	MgO-coated-Fe ₃ O ₄ nanoparticles as a magnetically recoverable and reusable catalyst for the synthesis of 1-hydroxyphosphonates. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 469-475.	2.2	11
95	Iron(III) Chloride/l-Proline as an Efficient Catalyst for the Synthesis of 3-Substituted 1,2,4-Oxadiazoles from Amidoximes and Triethyl Orthoformate. <i>Synthesis</i> , 2016, 48, 3597-3602.	2.3	11
96	Synthesis of decorated carbon nanotubes with Fe ₃ O ₄ and Au nanoparticles and their application in catalytic oxidation of alcohols in water. <i>Journal of Organometallic Chemistry</i> , 2019, 882, 64-69.	1.8	11
97	A NEW, EFFICIENT AND SIMPLE METHOD FOR THE SYNTHESIS OF THIOAMIDES FROM NITRILES. <i>Organic Preparations and Procedures International</i> , 2006, 38, 412-417.	1.3	10
98	A Novel Synthesis of Aryl Mesylates via One-Pot Demethylation-Mesylation of Aryl Methyl Ethers Using a Mixture of Phosphorus Pentoxide in Methane Sulfonic Acid. <i>Synthesis</i> , 2009, 2009, 2025-2028.	2.3	10
99	Synthesis and Complexation Properties of <i>N,N</i> -Bis(phosphinomethyl)amine as a New Class of 1-Aminophosphinic Acids with Transition Metals and Lanthanide Ions in Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3651-3656.	1.9	10
100	Novel Method for the Synthesis of $\hat{\pm}$ -Amino- $\hat{\pm}$ -hydroxyalkylphosphinic Acids and Bis($\hat{\pm}$ -aminoalkyl)phosphinic Acids: Nucleophilic Addition of $\hat{\pm}$ -Hydroxy-H-phosphinic Acids to Diimines. <i>Synlett</i> , 2012, 23, 1965-1969.	1.8	10
101	Polyphenolic self-association accounts for redirecting a high-yielding amyloid aggregation. <i>Journal of Molecular Liquids</i> , 2018, 266, 291-298.	4.9	10
102	Studies on the Reaction of Diimines with Thiourea: Synthesis and Solvent-Induced cis/trans-Isomerization of 1,3,5-Triazinane-2-thiones. <i>Synthesis</i> , 2009, 2009, 3089-3093.	2.3	9
103	Synthesis and inhibitory activity of ureidophosphonates, against acetylcholinesterase: Pharmacological assay and molecular modeling. <i>Bioorganic Chemistry</i> , 2012, 41-42, 22-27.	4.1	9
104	Resolution of Racemic $\hat{\pm}$ -Hydroxyphosphonates: Bi(OTf) ₃ -Catalyzed Stereoselective Esterification of $\hat{\pm}$ -Hydroxyphosphonates with (+)-Dibenzoyl- <i>l</i> -tartaric Anhydride. <i>ACS Omega</i> , 2019, 4, 15471-15478.	3.5	9
105	Synthesis of a Novel Class of $\hat{\pm}$ -Lactam Derivatives of 1-Aminophosphonates by Staudinger Ketene-Imine [2+2]-Cycloaddition Reaction. <i>Synthesis</i> , 2010, 2010, 3504-3508.	2.3	8
106	Synthesis of $\hat{\pm}$ -oxycarbanilinophosphonates and their anticholinesterase activities: the most potent derivative is bound to the peripheral site of acetylcholinesterase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 576-582.	5.2	8
107	Nano-sized Mn ₃ O ₄ and $\hat{\pm}$ -MnOOH from the decomposition of $\hat{\pm}$ -cyclodextrin- $\hat{\pm}$ -Mn: 1. Synthesis and characterization. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 152, 106-111.	3.8	8
108	Catalyst-free Petasis-type reaction: Three-component decarboxylative coupling of boronic acids with proline and salicylaldehyde for the synthesis of alkylaminophenols. <i>Tetrahedron Letters</i> , 2018, 59, 1046-1049.	1.4	8

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109	A tunable synthesis of either benzaldehyde or benzoic acid through blue-violet LED irradiation using TBATB. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112220.	3.9	8
110	A Highly Efficient and Useful Synthetic Protocol for the Synthesis of Bis[aryl(diethoxyphosphoryl)methyl]amines from Aromatic Aldehydes Using Acetyl Chloride as an Efficient Catalyst. <i>Synthesis</i> , 2007, 2007, 1823-1826.	2.3	7
111	A novel straightforward synthesis of β -aminophosphonates: one-pot three-component condensation of alcohols, amines, and diethylphosphite in the presence of CuO@Fe ₃ O ₄ nanoparticles as a catalyst. <i>Research on Chemical Intermediates</i> , 2017, 43, 4475-4486.	2.7	7
112	A proposed mechanism to form nanosized Mn oxides from the decomposition of β -cyclodextrin-Mn complex: Toward nanosized water-splitting catalysts with special morphology. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11187-11198.	7.1	7
113	A photocatalytic green system for chemoselective reduction of nitroarenes. <i>Chemical Papers</i> , 2017, 71, 1155-1163.	2.2	7
114	One-pot synthesis of biologically active 1,2,3-trisubstituted pyrrolo[2,3-b]quinoxalines through a palladium-catalyzed reaction with internal alkyne moieties. <i>Molecular Diversity</i> , 2018, 22, 879-891.	3.9	7
115	Diethyl [(3-phenoxy-2-oxo-4-phenyl-azetidin-1-yl)-phenyl-methyl]-phosphonate as a potent anticancer agent in chemo-differentiation therapy of acute promyelocytic leukemia. <i>European Journal of Pharmacology</i> , 2019, 846, 79-85.	3.5	7
116	Manganese oxide nanoparticles supported on graphene oxide as an efficient nanocatalyst for the synthesis of 1,2,4-oxadiazoles from aldehydes. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5838.	3.5	7
117	Synthesis of julolidines via one-pot cascade three component Povarov reaction in the presence of silica sulfuric acid. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1594-1600.	2.6	7
118	Dry reaction of dialkyl phosphite with aldehydes in the presence of acetic anhydride for the synthesis of 1-acetoxyphosphonates on solid bases. <i>Arkivoc</i> , 2007, 2007, 124-132.	0.5	7
119	Resolution of Enantiomers of Novel C_2 -Symmetric Aminobisphosphinic Acids via Diastereomeric Salt Formation With Quinine. <i>Chirality</i> , 2015, 27, 71-74.	2.6	6
120	Hydroxy-bisphosphinic acids: synthesis and complexation properties with transition metals and lanthanide ions in aqueous solution. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 747-752.	2.2	6
121	Transition metal- and catalyst-free one-pot green method for the synthesis of <i>N</i> -sulfonyl amidines via direct reaction of sulfonyl azides with amines. <i>RSC Advances</i> , 2020, 10, 26701-26708.	3.6	6
122	Electrochemical Synthesis of Sulfinic Acid Esters: Nickel(II)-Catalyzed Oxidative Esterification of Thiols with Alcohols in an Undivided Cell. <i>ACS Omega</i> , 2020, 5, 17947-17954.	3.5	6
123	Diethyl Chlorophosphate: A Mild and Versatile Reagent for the One-Pot Preparation of Isothiocyanates from Amines. <i>Synthesis</i> , 2008, 2008, 2683-2685.	2.3	5
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