Kourosch Abbaspour Tehrani

List of Publications by Year
in descending order

85 papers	1,998 citations	236925 25 h-index	289244 40 g-index
108 all docs	108 docs citations	108 times ranked	2255 citing authors

#	Article	IF	Citations
1	Synthesis of Aryl(di)azinyl Ketones through Copperâ€•and Ironâ€•catalyzed Oxidation of the Methylene Group of Aryl(di)azinylmethanes. Angewandte Chemie - International Edition, 2012, 51, 2745-2748.	13.8	129
2	Thioquinolobactin, a Pseudomonas siderophore with antifungal and anti-Pythium activity. Environmental Microbiology, 2007, 9, 425-434.	3.8	122
3	The Pseudomonas siderophore quinolobactin is synthesized from xanthurenic acid, an intermediate of the kynurenine pathway. Molecular Microbiology, 2004, 52, 371-384.	2.5	98
4	Mechanism of the CuII-catalyzed benzylic oxygenation of (aryl)(heteroaryl)methanes with oxygen. Chemical Science, 2016, 7, 346-357.	7.4	86
5	The interaction of metal ions with Maillard reaction products in a lactoseâ€“glycine model system. Food Research International, 2009, 42, 331-336.	6.2	79
6	Siderophore-mediated iron acquisition in the entomopathogenic bacterium Pseudomonas entomophila L48 and its close relative Pseudomonas putida KT2440. BioMetals, 2009, 22, 951-964.	4.1	77
7	Thiosulfonylation of Unactivated Alkenes with Visible-Light Organic Photocatalysis. ACS Catalysis, 2020, 10, 8765-8779.	11.2	62
8	Stereochemistry of the Tadalafil Diastereoisomers: A Critical Assessment of Vibrational Circular Dichroism, Electronic Circular Dichroism, and Optical Rotatory Dispersion. Journal of Medicinal Chemistry, 2013, 56, 8903-8914.	6.4	54
9	Base metal-catalyzed benzylic oxidation of (aryl)(heteroaryl)methanes with molecular oxygen. Beilstein Journal of Organic Chemistry, 2016, 12, 144-153.	2.2	48
10	Synthesis of 3-halopyrroles. Tetrahedron, 1997, 53, 3693-3706.	1.9	45
11	Syntheses and Transformations of 2-Methyleneaziridines and 2-Methyleneazetidines. Current Organic Chemistry, 2009, 13, 854-877.	1.6	45
12	Genotoxicity of Melanoidin Fractions Derived from a Standard Glucose/Glycine Model. Journal of Agricultural and Food Chemistry, 2004, 52, 318-323.	5.2	42
13	Synthesis of 3-Methoxyazetidines via an Aziridine to Azetidine Rearrangement and Theoretical Rationalization of the Reaction Mechanism. Journal of Organic Chemistry, 2011, 76, 2157-2167.	3.2	42
14	Characterization of Model Melanoidins by the Thermal Degradation Profile. Journal of Agricultural and Food Chemistry, 2003, 51, 4338-4343.	5.2	41
15	Novel synthesis of indolizidines and quinolizidines. Tetrahedron, 2003, 59, 3099-3108.	1.9	36
16	Synthesis of 4,4-Disubstituted Î²-Lactams by Regiospecific Electrophile- and Silver-Induced Ring Expansion of 2,2-Disubstituted 1-Methoxycyclopropylamines. Journal of Organic Chemistry, 1996, 61, 6500-6503.	3.2	34
17	Synthesis of 1-Amino-2,2-dialkylcyclopropanecarboxylic Acids via Base-Induced Cyclization of .gamma.-Chloro-.alpha.-imino Esters. Journal of Organic Chemistry, 1994, 59, 6973-6985.	3.2	33
18	The Use of Calcium Carbide as Acetylene Source in a Threeâ€Component Coupling with Ï‰â€Chlorinated Ketones and Primary Amines. Chemistry - A European Journal, 2018, 24, 16645-16651.	3.3	32

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19	New synthetic approaches to 2-perfluoroalkyl-4H-pyran-4-ones. Tetrahedron, 1998, 54, 2819-2826.	1.9	30
20	Flavor Release in the Presence of Melanoidins Prepared froml-(+)-Ascorbic Acid and Amino Acids. Journal of Agricultural and Food Chemistry, 2002, 50, 4244-4250.	5.2	30
21	Thermal Degradation Studies of Glucose/Glycine Melanoidins. Journal of Agricultural and Food Chemistry, 2002, 50, 4062-4068.	5.2	30
22	Synthesis of Benzo[f]isoindole-4,9-diones. Journal of Organic Chemistry, 2008, 73, 7555-7559.	3.2	29
23	Boron(III) bromide-induced ring contraction of 3-oxygenated piperidines to 2-(bromomethyl)pyrrolidines. Tetrahedron Letters, 2000, 41, 2507-2510.	1.4	27
24	Electron transfer induced ring opening of 2-(bromomethyl)aziridines by magnesium in methanol. Tetrahedron, 2002, 58, 7145-7152.	1.9	27
25	Lewis acid promoted Mannich type reactions of Î±,Î±-dichloro aldimines with potassium organotrifluoroborates. Tetrahedron, 2007, 63, 8921-8931.	1.9	27
26	New synthesis of 2-methyleneaziridines and 2-methyleneazetidines by dimethyl titanocene mediated methylenation of Î±- and Î²-lactams. Tetrahedron Letters, 2000, 41, 1975-1978.	1.4	26
27	Synthesis of 5-alkyl-4-amino-2-(trifluoromethyl)pyridines and their transformation into trifluoromethylated 1 H -pyrazolo[4,3- c]pyridines. Tetrahedron, 2001, 57, 2051-2055.	1.9	25
28	Synthesis of 1-alkyl-2-methylazetidin-3-ones and 1-alkyl-2-methylazetidin-3-ols. Tetrahedron, 2003, 59, 2231-2239.	1.9	25
29	Highly efficient one-pot synthesis of D-ring chloro-substituted neocryptolepines via a condensationâ€"Pd-catalyzed intramolecular direct arylation strategy. Tetrahedron, 2011, 67, 655-659.	1.9	25
30	Straightforward Synthesis of 1-Amino-2,2-dialkylcyclopropanecarboxylic Acids via Selective Saponification of 2,2-Dialkylcyclopropane-1,1-dicarboxylic Esters and Curtius Rearrangement. Journal of Organic Chemistry, 1994, 59, 8215-8219.	3.2	24
31	Synthesis of 2-acyl-3-chloropyrroles: Application to the synthesis of the trail pheromone of the ant Atta texana. Tetrahedron, 1999, 55, 4133-4152.	1.9	24
32	A New Synthesis of Benzo[f]isoindoleâ€4,9â€diones by Radical Alkylation and Bromomethylation of 1,4â€Naphthoquinones. European Journal of Organic Chemistry, 2009, 2009, 4882-4892.	2.4	23
33	Copper(I)-Catalyzed Ketone, Amine, and Alkyne Coupling for the Synthesis of 2-Alkynylpyrrolidines and -piperidines. Organic Letters, 2016, 18, 4782-4785.	4.6	20
34	New short and general synthesis of three key Maillard flavour compounds: 2-Acetyl-1-pyrroline, 6-acetyl-1,2,3,4-tetrahydropyridine and 5-acetyl-2,3-dihydro-4H-1,4-thiazine. Food Chemistry, 2015, 168, 327-331.	8.2	19
35	Metalâ€Free Synthesis of Chlorinated Î²â€Amino Ketones via an Unexpected Reaction of Imines with Arylacetylenes in 1,1,1,3,3,3â€Hexafluoroâ€2â€propanol. Advanced Synthesis and Catalysis, 2016, 358, 41-49.	4.3	19
36	Carbonâ€"carbon bond formation via a tandem cationic 2-aza-Cope rearrangementâ€"Lewis acid promoted Petasis reaction. Tetrahedron, 2008, 64, 3457-3463.	1.9	18

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37	Synthesis and reactivity of alkenyl- and alkynyl-substituted Î²,Î²-dihalo-andÂÎ²,Î²,Î²-trichloroamines. Tetrahedron, 2009, 65, 1957-1966.	1.9	18
38	Unexpected reaction of 2-amino-1,4-naphthoquinone with aldehydes: new synthesis of naphtho[2,1-d]oxazole compounds. Tetrahedron, 2011, 67, 512-517.	1.9	18
39	Synthesis of novel 2-aryl-3-benzoyl-1H-benzo[f]indole-4,9-diones using a domino reaction. Tetrahedron Letters, 2016, 57, 4352-4355.	1.4	18
40	A convenient synthesis of 3-functionalized 5-alkoxymethyl- and 5-phenoxymethyl-2(5H)-furanones and their transformations into related epoxy and methylene lactones. Tetrahedron, 1998, 54, 1801-1808.	1.9	17
41	Detailed Investigation of the Production of the Bread Flavor Component 6-Acetyl-1,2,3,4-tetrahydropyridine in Proline/1,3-Dihydroxyacetone Model Systems. Journal of Agricultural and Food Chemistry, 2004, 52, 5685-5693.	5.2	17
42	Synthesis of 1-substituted 1,2,3,4-tetrahydrobenz[g]isoquinoline-5,10-diones. Organic and Biomolecular Chemistry, 2011, 9, 538-548.	2.8	17
43	Stereochemistry of the Brivaracetam Diastereoisomers. Chirality, 2016, 28, 215-225.	2.6	17
44	Fluoroaziridines as novel substrates in the modified Petasis reaction: synthesis of monofluorinated propargyl amines. Tetrahedron, 2008, 64, 117-123.	1.9	16
45	An Indium(III)â€Catalyzed Synthesis of 4,4â€Dichloroâ€1â€arylâ€Nâ€alkylâ€1â€ynâ€3â€amines via an Intermolecular C(sp²)ï£¿C(sp) Bond Formation. Advanced Synthesis and Catalysis, 2012, 354, 3461-3467.	4.3	16
46	Zinc(II)â€Catalyzed Synthesis of Propargylamines by Coupling Aldimines and Ketimines with Alkynes. European Journal of Organic Chemistry, 2018, 2018, 78-88.	2.4	15
47	Synthesis and reactivity of 3-(2-chloroalkyl)-2,2-dihaloaziridines. Tetrahedron, 2008, 64, 7524-7530.	1.9	14
48	Iron-Catalyzed Aerobic Oxidation of (Alkyl)(aryl)azinylmethanes. Synlett, 2017, 28, 1564-1569.	1.8	14
49	Isopurpurasol, a coumarin from Pterocaulon virgatum. Phytochemistry, 1999, 51, 701-703.	2.9	13
50	Grob-type fragmentation of N-alkyl-2-cyano-5-bromopiperidines to unsaturated imidoyl cyanides. Tetrahedron Letters, 2001, 42, 3921-3923.	1.4	13
51	The Chemistry of the Most Important Maillard Flavor Compounds of Bread and Cooked Rice. ACS Symposium Series, 2002, , 150-165.	0.5	13
52	Alkylation of deactivated aromatic compounds on zeolites. Adsorption, deactivation and selectivity effects in the alkylation of bromobenzene and toluene with bifunctional alkylating agents. Journal of Catalysis, 2005, 235, 128-138.	6.2	13
53	Synthesis of N-substituted 1,2,3,4-tetrahydrobenz[g]isoquinoline-5,10-diones. Tetrahedron, 2008, 64, 5345-5353.	1.9	13
54	Cooperative Electrocatalytic and Chemoselective Alcohol Oxidation by Shvo's Catalyst. Advanced Synthesis and Catalysis, 2017, 359, 919-925.	4.3	12

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55	A survey of synthetic routes towards 2-azaanthraquinones. Tetrahedron, 2011, 67, 9459-9471.	1.9	11
56	Synthesis of 3-substituted benzo[g]isoquinoline-5,10-diones: a convenient one-pot Sonogashira coupling/iminoannulation procedure. Tetrahedron, 2011, 67, 2269-2278.	1.9	11
57	Synthesis of 3-functionalized 3-methylazetidines. Tetrahedron Letters, 2012, 53, 107-110.	1.4	11
58	Lewis Acid Mediated Vinylâ€Transfer Reaction of Alkynes to Nâ€Alkylimines by Using the Nâ€Alkyl Residue as a Sacrificial Hydrogen Donor. Chemistry - A European Journal, 2013, 19, 14263-14270.	3.3	11
59	Indium(iii)-catalyzed tandem synthesis of 2-alkynyl-3,3-dichloropyrrolidines and their conversion to 3-chloropyrroles. RSC Advances, 2015, 5, 10139-10151.	3.6	11
60	Syntheses and Reactions of 1-Amino-2,2-dialkylcyclopropane-1-carbonitriles and -carboxamides â€“ Potential Precursors of ACC Derivatives. European Journal of Organic Chemistry, 1999, 1999, 239-250.	2.4	10
61	Synthesis of natural pyranonaphthoquinones and related antibiotic aza-analogues. Pure and Applied Chemistry, 2011, 83, 1651-1674.	1.9	10
62	Regiospecific Synthesis of Î±-Diones, Î±,Î±-Dialkoxyketones and Î±-Alkoxy-Î±-sulfenylated Ketones. Tetrahedron, 2000, 56, 6541-6548.	1.9	9
63	A simple route to side-chain fluorinated Î²-lactams from ring-fluorinated aziridines. Journal of Fluorine Chemistry, 2007, 128, 114-119.	1.7	9
64	Synthesis of highly functionalized 1,6-dihydropyridines via the Zn(OTf)₂-catalyzed three-component cascade reaction of aldimines and two alkynes (IA²-coupling). Organic and Biomolecular Chemistry, 2018, 16, 3241-3247.	2.8	9
65	Comparative Study of the Vibrational Optical Activity Techniques in Structure Elucidation: The Case of Galantamine. ACS Omega, 2019, 4, 14133-14139.	3.5	9
66	Synthesis and anti-tubercular activity of N²-arylbenzo[g]isoquinoline-5,10-dione-3-iminium bromides. Organic and Biomolecular Chemistry, 2016, 14, 2041-2051.	2.8	8
67	Zn(OTf)₂â€Catalyzed Synthesis of 2â€Alkynylazetidines and their Ring Expansion to Functionalized 1,4,5,6â€Tetrahydropyridines. Advanced Synthesis and Catalysis, 2018, 360, 4393-4401.	4.3	7
68	Lewis acidic FeCl3 promoted 2-aza-Cope rearrangement to afford Î±-substituted homoallylamines in dimethyl carbonate. RSC Advances, 2019, 9, 18013-18017.	3.6	7
69	The electrochemistry of tetrapropylammonium perruthenate, its role in the oxidation of primary alcohols and its potential for electrochemical recycling. Electrochimica Acta, 2015, 182, 693-698.	5.2	6
70	Application of 3-Bromo-3-ethylazetidines and 3-Ethylideneazetidines for the Synthesis of Functionalized Azetidines. Synlett, 2013, 25, 75-80.	1.8	5
71	Synthesis and antitubercular activity of 1- and 3-substituted benzo[g]isoquinoline-5,10-diones. Organic and Biomolecular Chemistry, 2019, 17, 2923-2939.	2.8	5
72	Monofluorinated aziridines in asymmetric synthesis of chiral fluorinated prop-2-yn-1-amines. Russian Journal of Organic Chemistry, 2010, 46, 976-986.	0.8	4

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73	NOVEL SYNTHESIS OF FUNCTIONALIZED 2-PYRROLIDINONESviaUNSATURATED IMIDOYL CYANIDES. Organic Preparations and Procedures International, 2003, 35, 215-219.	1.3	2
74	Hydride-Promoted Ring Expansion of 2-Azaspiropyrrolinium Salts: An Approach Towards the Synthesis of (-)-Nitramine. Synlett, 2005, 2005, 1726-1730.	1.8	2
75	Synthesis of Harounoside, A Naturally Occurring Pentalongin Hydroquinone Bisglucoside. Synlett, 2006, 2006, 2469-2471.	1.8	2
76	Synthesis of 2-(3-hydroxy-2-methyl-1-alkenyl)-1-pyrrolines and 2-(3-hydroxybutyl)-1-pyrroline using Î±-lithiated 2-methyl-1-pyrroline. Tetrahedron, 2009, 65, 3753-3756.	1.9	2
77	Mediated electrolysis of vicinal diols by neocuproine palladium catalysts. Electrochimica Acta, 2017, 247, 685-691.	5.2	2
78	Synthesis of 1-Aza-6,7-dehydrotropanes via Copper(I)-Catalyzed Coupling of 5-Chloropentan-2-one with Hydrazines and Terminal Alkynes. Synlett, 2018, 29, 2643-2647.	1.8	2
79	Synthesis of 3,3â€Dichloropiperidines and Further Functionalization via Pdâ€Catalyzed Crossâ€Coupling Reactions of the Dichloromethylene Moiety. European Journal of Organic Chemistry, 2019, 2019, 95-103.	2.4	2
80	HFIP-mediated 2-aza-Cope rearrangement: metal-free synthesis of Î±-substituted homoallylamines at ambient temperature. Organic and Biomolecular Chemistry, 2021, 19, 4067-4075.	2.8	2
81	A FACILE SYNTHESIS OFo-,m-,p-(TRIMETHYLSTANNYL)BENZYL CHLORIDES AND AMINES. Organic Preparations and Procedures International, 1998, 30, 447-451.	1.3	1
82	Electron Transfer Induced Ring Opening of 2-(Bromomethyl)aziridines by Magnesium in Methanol.. ChemInform, 2003, 34, no.	0.0	0
83	Synthesis of 1-Alkyl-2-methylazetidin-3-ones and 1-Alkyl-2-methylazetidin-3-ols.. ChemInform, 2003, 34, no.	0.0	0
84	Novel Synthesis of Indolizidines and Quinolizidines.. ChemInform, 2003, 34, no.	0.0	0
85	Novel Boronic Acid Mannich Reactions of Î±,Î±-Dichloro- and Î±,Î±,Ï‰-TriÂchloroÂaldehydes with Arylboronic Acids. Synthesis, 2007, 2007, 433-441.	2.3	0