Irishi N N Namboothiri

List of Publications by Year
in descending order

141 papers	4,909 citations	66343 42 h-index	123424 61 g-index
191 all docs	191 docs citations	191 times ranked	4282 citing authors

#	Article	IF	Citations
1	The Important Role of Heteroaromatics in the Design of Efficient Second-Order Nonlinear Optical Molecules:Â Theoretical Investigation on Pushâ"Pull Heteroaromatic Stilbenes. Journal of the American Chemical Society, 1996, 118, 12443-12448.	13.7	280
2	Synthesis of Imidazopyridines from the Moritaâ€"Baylisâ€"Hillman Acetates of Nitroalkenes and Convenient Access to Alpidem and Zolpidem. Organic Letters, 2012, 14, 4580-4583.	4.6	174
3	Base-Mediated Reaction of the Bestmannâ"Ohira Reagent with Nitroalkenes for the Regioselective Synthesis of Phosphonylpyrazoles. Organic Letters, 2007, 9, 1125-1128.	4.6	125
4	Asymmetric Synthesis of Quaternary Î±â€Amino Acids and Their Phosphonate Analogues. Asian Journal of Organic Chemistry, 2014, 3, 1234-1260.	2.7	111
5	Part I: Nitroalkenes in the synthesis of heterocyclic compounds. RSC Advances, 2014, 4, 48022-48084.	3.6	106
6	Phosphonylpyrazoles from Bestmannâ"Ohira Reagent and Nitroalkenes: Synthesis and Dynamic NMR Studies. Journal of Organic Chemistry, 2010, 75, 2197-2205.	3.2	93
7	Cooperative Dehydrogenation of Nâ€Heterocycles Using a Carbon Nanotubeâ€"Rhodium Nanohybrid. Chemistry - A European Journal, 2015, 21, 7039-7042.	3.3	89
8	Hydroxyalkylation of Conjugated Nitroalkenes with Activated Nonenolizable Carbonyl Compounds. Organic Letters, 2006, 8, 1201-1204.	4.6	81
9	Nitroalkenes in the synthesis of carbocyclic compounds. RSC Advances, 2014, 4, 31261.	3.6	78
10	Chiral squaramide-catalyzed asymmetric synthesis of pyranones and pyranonaphthoquinones via cascade reactions of 1,3-dicarbonyls with Moritaâ€"Baylisâ€"Hillman acetates of nitroalkenes. Chemical Communications, 2014, 50, 6973-6976.	4.1	76
11	Moritaâ€"Baylisâ€"Hillman Reactions Between Conjugated Nitroalkenes or Nitrodienes and Carbonyl Compounds. European Journal of Organic Chemistry, 2009, 2009, 4091-4101.	2.4	72
12	Highly Selective Synthesis of Pyrazole and Spiropyrazoline Phosphonates via Base-Assisted Reaction of the Bestmannâ€"Ohira Reagent with Enones. Journal of Organic Chemistry, 2011, 76, 4764-4770.	3.2	72
13	Carbon nanotubeâ€"gold nanohybrids for selective catalytic oxidation of alcohols. Nanoscale, 2013, 5, 6491.	5.6	68
14	Catalytic asymmetric reactions and synthesis of quinones. Organic and Biomolecular Chemistry, 2016, 14, 6913-6931.	2.8	68
15	The Moritaâ€"Baylisâ€"Hillman adducts of Î²-aryl nitroethylenes with other activated alkenes: synthesis and anticancer activity studies. Chemical Communications, 2006, , 338-340.	4.1	67
16	Synthesis and evaluation of Î±-hydroxymethylated conjugated nitroalkenes for their anticancer activity: Inhibition of cell proliferation by targeting microtubules. Bioorganic and Medicinal Chemistry, 2006, 14, 8073-8085.	3.0	67
17	Regioselective Synthesis of Sulfonylpyrazoles via Base Mediated Reaction of Diazosulfones with Nitroalkenes and a Facile Entry into Withasomnine. Organic Letters, 2011, 13, 4016-4019.	4.6	66
18	Regiospecific synthesis of arenofurans via cascade reactions of arenols with Moritaâ€"Baylisâ€"Hillman acetates of nitroalkenes and total synthesis of isoparvifuran. Tetrahedron, 2013, 69, 4964-4972.	1.9	65

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19	Synthesis and antitumor activity of selenium-containing quinone-based triazoles possessing two redox centres, and theirÂmechanistic insights. European Journal of Medicinal Chemistry, 2016, 122, 1-16.	5.5	65
20	Room temperature Suzuki coupling of aryl iodides, bromides, and chlorides using a heterogeneous carbon nanotube-palladium nanohybrid catalyst. Catalysis Science and Technology, 2015, 5, 2388-2392.	4.1	62
21	Î±-Hydroxymethylation of conjugated nitroalkenes via the Moritaâ€“Baylisâ€“Hillman reaction. Tetrahedron Letters, 2004, 45, 4745-4748.	1.4	61
22	Selective conversion of nitroarenes using a carbon nanotubeâ€“ruthenium nanohybrid. Chemical Communications, 2015, 51, 1739-1742.	4.1	61
23	One-Pot, Two-Step Conversion of Aldehydes to Phosphonyl- and Sulfonylpyrazoles Using Bestmannâ€“Ohira Reagent. Organic Letters, 2012, 14, 4070-4073.	4.6	60
24	Recent developments in Tsuji-Wacker oxidation. Tetrahedron Letters, 2016, 57, 3993-4000.	1.4	60
25	Stereoselective Intramolecular 1,3-Dipolar Cycloadditions. Topics in Current Chemistry, 2001, , 1-49.	4.0	59
26	Part II: nitroalkenes in the synthesis of heterocyclic compounds. RSC Advances, 2014, 4, 51794-51829.	3.6	59
27	Synthesis of functionalized and fused furans and pyrans from the Moritaâ€“Baylisâ€“Hillman acetates of nitroalkenes. Tetrahedron Letters, 2012, 53, 3349-3352.	1.4	58
28	Morita-Baylis-Hillman and Rauhut-Currier Reactions of Conjugated Nitroalkenes. Chimia, 2012, 66, 913.	0.6	56
29	Effect of curcumin analogs onÎ±-synuclein aggregation and cytotoxicity. Scientific Reports, 2016, 6, 28511.	3.3	56
30	Rauhutâ€“Currier type homo- and heterocouplings involving nitroalkenes and nitrodienes. Organic and Biomolecular Chemistry, 2010, 8, 4867.	2.8	50
31	Advances in carbon nanotube-noble metal catalyzed organic transformations. Nanotechnology Reviews, 2012, 1, 515-539.	5.8	49
32	Stereospecific approach to Î±,Î²-disubstituted nitroalkenes via coupling of Î±-bromonitroalkenes with boronic acids and terminal acetylenes. Tetrahedron, 2007, 63, 11973-11983.	1.9	48
33	Carbon Nanotubeâ€“Gold Nanohybrid Catalyzed Nâ€Formylation of Amines by using Aqueous Formaldehyde. ChemCatChem, 2014, 6, 2201-2205.	3.7	48
34	Enantioselective conjugate addition of dialkyl phosphites to nitroalkenes. Tetrahedron: Asymmetry, 2008, 19, 2335-2338.	1.8	47
35	Co-catalytic oxidative coupling of primary amines to imines using an organic nanotubeâ€“gold nanohybrid. Chemical Communications, 2014, 50, 15251-15254.	4.1	47
36	Stereoselective construction of carbocycles and heterocycles via cascade reactions involving curcumins and nitroalkenes. Tetrahedron Letters, 2011, 52, 258-262.	1.4	46

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37	One-Pot Regioselective Synthesis of meta-Terphenyls via [3 + 3] Annulation of Nitroallylic Acetates with Alkylidenemalononitriles. Journal of Organic Chemistry, 2014, 79, 7468-7476.	3.2	46
38	Highly efficient hydrazination of conjugated nitroalkenes via imidazole or DMAP mediated Moritaâ€“Baylisâ€“Hillman reaction. Organic and Biomolecular Chemistry, 2006, 4, 2525-2528.	2.8	45
39	Synthesis and anticancer activity studies of Î±-aminoalkylated conjugated nitroalkenes. Organic and Biomolecular Chemistry, 2006, 4, 3211-3214.	2.8	45
40	Î±-Functionalization of Nitroalkenes and Its Applications in Organic Synthesis. Synlett, 2016, 27, 2425-2442.	1.8	45
41	Aerobic Oxidation of Phenols and Related Compounds using Carbon Nanotubeâ€“Gold Nanohybrid Catalysts. ChemCatChem, 2014, 6, 719-723.	3.7	43
42	Imidazoles from nitroallylic acetates and Î±-bromonitroalkenes with amidines: synthesis and trypanocidal activity studies. Organic and Biomolecular Chemistry, 2015, 13, 9862-9871.	2.8	43
43	Naphthoquinone-based chalcone hybrids and derivatives: synthesis and potent activity against cancer cell lines. MedChemComm, 2015, 6, 120-130.	3.4	42
44	A Stereoselective and Atom-Efficient Approach to Multifunctionalized Five- and Six-Membered Rings via a Novel Michael-Initiated Intramolecular Dielsâ˜Alder Furan Reaction. Journal of Organic Chemistry, 2005, 70, 2235-2243.	3.2	41
45	Synthesis of Functionalized Pyrazoles via 1,3â€Dipolar Cycloaddition of Î±â€Diazoâ€Î²â€ketophosphonates, Sufones and Esters with Electronâ€Deficient Alkenes. Chemical Record, 2017, 17, 939-955.	5.8	41
46	Enantioselective Synthesis of Quaternary Î±-Aminophosphonates via Conjugate Addition of Î±-Nitrophosphonates to Enones. Organic Letters, 2012, 14, 980-983.	4.6	40
47	Direct Reductive Amination of Aldehydes Catalyzed by Carbon Nanotube/Gold Nanohybrids. ChemCatChem, 2013, 5, 3571-3575.	3.7	40
48	Quinonoid compounds via reactions of lawsone and 2-aminonaphthoquinone with Î±-bromonitroalkenes and nitroallylic acetates: Structural diversity by C-ring modification and cytotoxic evaluation against cancer cells. European Journal of Medicinal Chemistry, 2018, 151, 686-704.	5.5	40
49	Size effect of gold nanoparticles supported on carbon nanotube as catalysts in selected organic reactions. Tetrahedron, 2014, 70, 6140-6145.	1.9	39
50	Determination of alkali metal binding selectivities of caged crown ligands by electrospray ionization quadrupole ion trap mass spectrometry. International Journal of Mass Spectrometry, 2001, 204, 133-142.	1.5	36
51	Isoxazolines from Nitro Compounds: Synthesis and Applications. , 2008, , 1-44.		36
52	Synthesis of Fused Bromofurans via Mg-Mediated Dibromocyclopropanation of Cycloalkanone-Derived Chalcones and Clokeâ€“Wilson Rearrangement. Journal of Organic Chemistry, 2013, 78, 910-919.	3.2	36
53	Tsujiâ€“Wacker Oxidation of Terminal Olefins using a Palladiumâ€“Carbon Nanotube Nanohybrid. ChemCatChem, 2015, 7, 2318-2322.	3.7	35
54	Synthesis of imidazoles via cascade reaction of nitroallylic acetates with amidines and studies on their trypanocidal activity. Organic and Biomolecular Chemistry, 2015, 13, 1996-2000.	2.8	35

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55	Quinine-Derived Thiourea and Squaramide Catalyzed Conjugate Addition of Î±-Nitrophosphonates to Enones: Asymmetric Synthesis of Quaternary Î±-Aminophosphonates. Journal of Organic Chemistry, 2015, 80, 1402-1413.	3.2	35
56	Reactions of vinyl sulfone with Î±-diazo-Î²-ketosulfone and Bestmannâ€“Ohira reagent for the regioselective synthesis of highly functionalized pyrazoles. Tetrahedron, 2014, 70, 1794-1799.	1.9	34
57	A multi-walled carbon nanotube/poly-2,6-dichlorophenolindophenol film modified carbon paste electrode for the amperometric determination of <scp>l</scp>-tyrosine. RSC Advances, 2015, 5, 91472-91481.	3.6	33
58	Synthesis of Quinoxalines by a Carbon Nanotubeâ€“Gold Nanohybridâ€Catalyzed Cascade Reaction of Vicinal Diols and Keto Alcohols with Diamines. ChemCatChem, 2015, 7, 57-61.	3.7	32
59	Synthetic and Mechanistic Investigations on the Rearrangement of 2,3-Unsaturated 1,4-Bis(alkylidene)carbenes to Enediynes. European Journal of Organic Chemistry, 2007, 2007, 2477-2489.	2.4	30
60	Enantioselective synthesis of Î±-nitro-Î´-ketosulfones via a quinineâ€“squaramide catalyzed conjugate addition of Î±-nitrosulfones to enones. Chemical Communications, 2013, 49, 10632.	4.1	30
61	Enantioselective Synthesis of Î±â€Aminoâ€Î³â€sulfonyl Phosphonates with a Tetrasubstituted Chiral Î±â€Carbon via Quinineâ€Squaramideâ€Catalyzed Michael Addition of Nitrophosphonates to Vinyl Sulfones. Advanced Synthesis and Catalysis, 2013, 355, 1265-1270.	4.3	30
62	Hauserâ€“Kraus Annulation of Phthalides with Nitroalkenes for the Synthesis of Fused and Spiro Heterocycles. European Journal of Organic Chemistry, 2016, 2016, 3316-3321.	2.4	30
63	Nitroâ€Substituted Bishomocubanes: Synthesis, Characterization, and Application as Energetic Materials. Chemistry - an Asian Journal, 2014, 9, 3533-3541.	3.3	29
64	Deoxygenation of amine N-oxides using gold nanoparticles supported on carbon nanotubes. RSC Advances, 2015, 5, 50865-50868.	3.6	29
65	Mild and selective catalytic oxidation of organic substrates by a carbon nanotube-rhodium nanohybrid. Catalysis Science and Technology, 2015, 5, 4542-4546.	4.1	29
66	Synthesis and energetic properties of high-nitrogen substituted bishomocubanes. Journal of Materials Chemistry A, 2015, 3, 22118-22128.	10.3	29
67	Selectivities in the 1,3-dipolar cycloaddition of nitrile oxides to dicyclopentadiene and its derivatives. Tetrahedron, 2004, 60, 1453-1462.	1.9	28
68	Additions of organomanganese reagents to conjugated nitroolefins. Journal of Organometallic Chemistry, 1996, 518, 69-77.	1.8	27
69	Regioselective synthesis of pyrazole and pyridazine esters from chalcones and Î±-diazo-Î²-ketoesters. Tetrahedron Letters, 2016, 57, 3146-3149.	1.4	27
70	A Theoretical Evaluation of the Michael-Acceptor Ability of Conjugated Nitroalkenes. European Journal of Organic Chemistry, 2006, 2006, 4693-4703.	2.4	26
71	Theoretical studies on the propulsive and explosive performance of strained polycyclic cage compounds. New Journal of Chemistry, 2017, 41, 920-930.	2.8	26
72	(3 + 3) Annulation of Nitroallylic Acetates with Stabilized Sulfur Ylides for the Synthesis of 2-Aryl Terephthalates. Journal of Organic Chemistry, 2018, 83, 9471-9477.	3.2	26

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73	One-pot regioselective synthesis of functionalized and fused furans from Moritaâ€“Baylisâ€“Hillman and Rauhutâ€“Currier adducts of nitroalkenes. RSC Advances, 2015, 5, 69990-69999.	3.6	24
74	Synthesis of hydrazinoheterocycles from Moritaâ€“Baylisâ€“Hillman adducts of nitroalkenes with azodicarboxylates. Organic and Biomolecular Chemistry, 2016, 14, 2427-2438.	2.8	24
75	Synthesis of Withasomnines and Their Non-natural Analogues from Aldehydes and 4-Nitro-1-butanol in Three Steps. Journal of Organic Chemistry, 2013, 78, 3482-3486.	3.2	23
76	Synthesis and pyrolysis studies of bis(nitratomethyl)-1,3-bishomocubaneâ€”A high-energy high-density liquid. Thermochimica Acta, 2013, 563, 38-45.	2.7	23
77	Synthesis of Quinoneâ€Based Nâ€Sulfonylâ€1,2,3â€triazoles: Chemical Reactivity of Rh(II) Azavinyl Carbenes and Antitumor Activity. ChemistrySelect, 2017, 2, 4301-4308.	1.5	23
78	Synthesis of Aminophenanthrenes and Benzoquinolines via Hauserâ€“Kraus Annulation of Sulfonyl Phthalide with Rauhutâ€“Currier Adducts of Nitroalkenes. Organic Letters, 2017, 19, 4283-4286.	4.6	23
79	Synthesis of benzo-fused medium ring cyclic ethers via a Michael additionâ€“ring closing metathesis strategy involving nitroaliphatic compounds. Tetrahedron, 2007, 63, 11991-11997.	1.9	22
80	1,3-Dipolar cycloaddition of chalcones and arylidene-1,3-dicarbonyls with diazosulfone for the regioselective synthesis of functionalized pyrazoles and pyrazolines. Tetrahedron, 2018, 74, 2716-2724.	1.9	22
81	Formation of Fiveâ€Membered Cyclic Orthoesters from Tribromides with Participation of a Neighboring Carbonyl Group. European Journal of Organic Chemistry, 2011, 2011, 2048-2052.	2.4	21
82	Synthesis, alkali metal picrate extraction, and alkali metal cation binding selectivities of some new cageâ€annulated polyoxamacrocyclic crown ethers. Journal of Heterocyclic Chemistry, 2001, 38, 1361-1368.	2.6	20
83	Carbon Nanotubeâ€“Ruthenium Hybrids for the Partial Reduction of 2â€Nitrochalcones: Easy Access to Quinoline Nâ€Oxides. ChemCatChem, 2016, 8, 1298-1302.	3.7	20
84	Supramolecular Assembly of Gold Nanoparticles on Carbon Nanotubes and Catalysis of Selected Organic Transformations. Synlett, 2016, 27, 1179-1186.	1.8	20
85	Synthesis of Densely Substituted Sulfonylfurans and Dihydrofurans via Cascade Reactions of Î±-Functionalized Nitroalkenes with Î²-Ketosulfones. Journal of Organic Chemistry, 2020, 85, 8825-8843.	3.2	20
86	Thiele's acid revisited: Isolation and characterization of two minor products formed by carbonation of cyclopentadienide anion. Tetrahedron, 1998, 54, 12691-12698.	1.9	19
87	Diastereo- and enantioselective synthesis of densely functionalized cyclohexanones via double Michael addition of curcumins with nitroalkenes. Tetrahedron: Asymmetry, 2012, 23, 605-610.	1.8	19
88	Synthesis of indenofurans, benzofurans and spiro-lactones via Hauserâ€“Kraus annulation involving 1,6-addition of phthalide to quinone methides. Organic and Biomolecular Chemistry, 2020, 18, 5677-5687.	2.8	19
89	Metal-Free and Regioselective Synthesis of Functionalized Î±-Carbolines via [3 + 3] Annulation of Moritaâ€“Baylisâ€“Hillman Acetates of Nitroalkenes with Iminoindolines. Journal of Organic Chemistry, 2021, 86, 8465-8471.	3.2	19
90	Study of a Vinylidenecarbeneâ^'Cycloalkyne Equilibrium in theD3-Trishomocubyl Ring System. Journal of the American Chemical Society, 1998, 120, 6871-6876.	13.7	18

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91	Facile Synthesis of Î²-Tribromomethyl and Dibromomethylenated Nitroalkanes via Conjugate Addition of Bromoform to Nitroalkenes. Journal of Organic Chemistry, 2009, 74, 2601-2604.	3.2	18
92	Synthesis of fused cyanopyrroles and spirocyclopropanes via addition of N-ylides to chalconimines. Organic and Biomolecular Chemistry, 2017, 15, 3616-3627.	2.8	18
93	One-Pot Construction of Functionalized Spiro-dihydronaphthoquinone-oxindoles via Hauserâ€“Kraus Annulation of Sulfonylphthalide with 3-Alkylideneoxindoles. Journal of Organic Chemistry, 2017, 82, 12939-12944.	3.2	18
94	Selectivities in the formation of pyridines and pyrimidines by ammonia-induced cyclocondensations of vinamidiniums. Tetrahedron, 1994, 50, 8127-8142.	1.9	17
95	Tethered non-ionic micelles: a matrix for enhanced solubilization of lipophilic compounds. Soft Matter, 2012, 8, 8456.	2.7	17
96	Droplet combustion studies on two novel energetic propellants, an RP-1 surrogate fuel, and their blends. Fuel, 2019, 255, 115836.	6.4	17
97	Synthesis of Spiro- and Fused Heterocycles via (4+4) Annulation of Sulfonylphthalide with o-Hydroxystyrenyl Derivatives. Journal of Organic Chemistry, 2019, 84, 3158-3168.	3.2	17
98	Synthesis of tetrahydrothiopyrano[2,3-b]indoles via [3+3] annulation of nitroallylic acetates with indoline-2-thiones. New Journal of Chemistry, 2020, 44, 1389-1399.	2.8	17
99	Cinchonine catalyzed diastereo- and enantioselective Michael addition of Î±-lithiated phosphonates to nitroalkenes. Tetrahedron: Asymmetry, 2007, 18, 2719-2726.	1.8	16
100	Direct and co-catalytic oxidative aromatization of 1,4-dihydropyridines and related substrates using gold nanoparticles supported on carbon nanotubes. Catalysis Science and Technology, 2016, 6, 6476-6479.	4.1	16
101	Enantioselective synthesis of Î³-tetrasubstituted nitrosulfonyl carboxylates and amides via<scp>l</scp>-tert-leucine-derived-squaramide catalyzed conjugate addition of nitrosulfones to acrylates and acrylamides. Organic and Biomolecular Chemistry, 2014, 12, 6425-6431.	2.8	15
102	Polydiacetylene Nanotubes in Heterogeneous Catalysis: Application to the Goldâ€Mediated Oxidation of Silanes. Macromolecular Chemistry and Physics, 2015, 216, 2398-2403.	2.2	15
103	Synthesis of Functionalized Arenopyrans and Arenylsulfanes by Reacting Nitroallylic Acetates with Arenols and Arenethiols. European Journal of Organic Chemistry, 2018, 2018, 5735-5743.	2.4	15
104	Selective Conversion of Nitroarenes to Nâ€Aryl Hydroxylamines Catalysed by Carbonâ€Nanotubeâ€Supported Nickel(II) Hydroxide. ChemistrySelect, 2017, 2, 5891-5894.	1.5	15
105	Effect of achiral and mixed chiral ligands on the asymmetric synthesis of Î³-nitrophosphonates via Michael addition. Tetrahedron: Asymmetry, 2008, 19, 767-772.	1.8	13
106	Strategies towards potent trypanocidal drugs: Application of Rh-catalyzed [2â€¯+â€¯2â€¯+â€¯2] cycloadditions, sulfonyl phthalide annulation and nitroalkene reactions for the synthesis of substituted quinones and their evaluation against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2020, 28, 115565.	3.0	13
107	Asymmetric synthesis of $oldsymbol{gamma}$ -aminophosphonates: The bio-isosteric analogs of $oldsymbol{gamma}$ -aminobutyric acid. Journal of Chemical Sciences, 2013, 125, 443-465.	1.5	12
108	Enantioselective Synthesis of Quaternary Î±-Amino Acids via <scp>l</scp>-tert-Leucine-Derived Squaramide-Catalyzed Conjugate Addition of Î±-Nitrocarboxylates to Enones. Journal of Organic Chemistry, 2016, 81, 5670-5680.	3.2	12

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109	Regio- and Diastereoselective Synthesis of Dihydropyridopyrimidines via Cascade Reactions of 2-Aminopyridines with Moritaâ€“Baylisâ€“Hillman Bromides of Nitroalkenes. Journal of Organic Chemistry, 2017, 82, 6482-6488.	3.2	12
110	Synthesis of Functionalized Thieno[2,3-b]indoles via One-Pot Reaction of Indoline-2-thiones with Moritaâ€“Baylisâ€“Hillman and Rauhutâ€“Currier Adducts of Nitroalkenes. ACS Omega, 2018, 3, 17617-17628.	3.5	12
111	Base and catalyst-free synthesis of nitrobenzodiazepines via a cascade N-nitroallylation-intramolecular aza-Michael addition involving o-phenylenediamines and nitroallylic acetates. Tetrahedron, 2019, 75, 130761.	1.9	12
112	Stereoselective synthesis of hydrazinodihydrofuransviacascade Michael additionâ€“substitution involving the reaction of curcumin and other Î²-dicarbonyls with Î±-hydrazinonitroalkenes. Organic and Biomolecular Chemistry, 2020, 18, 140-153.	2.8	12
113	Synthesis of arenediynes via the vinylidenecarbeneâ€“acetylene rearrangement. Tetrahedron Letters, 2005, 46, 2593-2597.	1.4	11
114	Direct and Coâ€catalytic Oxidation of Hydroxylamines to Nitrones Promoted by Rhodium Nanoparticles Supported on Carbon Nanotubes. ChemCatChem, 2017, 9, 2091-2094.	3.7	11
115	Pentacycloundecane (PCUD)â€Based Cage Frameworks as Potential Energetic Materials: Syntheses and Characterization. Asian Journal of Organic Chemistry, 2020, 9, 2116-2126.	2.7	11
116	Synthesis and energetic properties of homocubane based high energy density materials. Organic Chemistry Frontiers, 2021, 8, 531-548.	4.5	10
117	Regio- and Stereoselective Synthesis of Dispiro-bisoxindoles via [3+2] Annulation Involving Nitroisatylidene as a Vinylogous Michael Donor. Organic Letters, 2021, 23, 4618-4623.	4.6	10
118	Synthetic and Theoretical Investigations on the Construction of Oxanorbornenes by a Michael Addition and Intramolecular Dielsâ€“Alder Furan Reaction. European Journal of Organic Chemistry, 2008, 2008, 6106-6118.	2.4	9
119	One-pot three component Î±-aminoalkylation of conjugated nitroalkenes and nitrodienes. Tetrahedron Letters, 2010, 51, 846-849.	1.4	9
120	Engineered-membranes and engineered-micelles as efficient tools for purification of halorhodopsin and bacteriorhodopsin. Analyst, The, 2015, 140, 204-212.	3.5	9
121	Supramolecular Assembly of Gold Nanoparticles on Carbon Nanotubes: Application to the Catalytic Oxidation of Hydroxylamines. Nanomaterials, 2016, 6, 37.	4.1	9
122	Droplet combustion studies on novel cage hydrocarbons using color-ratio pyrometry. Fuel, 2020, 282, 118816.	6.4	9
123	A Moritaâ€“Baylisâ€“Hillman Pathway to Wittig Products: Oneâ€Pot Transformation of Nitroalkylideneoxindoles to Oxindolylideneâ€Carboxylates. European Journal of Organic Chemistry, 2020, 2020, 6903-6908.	2.4	9
124	Synthesis of annulated oxa-triquinanes and oxa-diquinanes via cascade Michael addition-intramolecular alkylation involving Î±-halodicyclopentadienones. Tetrahedron, 2017, 73, 1297-1305.	1.9	8
125	A general platform for antibody purification utilizing engineered-micelles. MAbs, 2019, 11, 583-592.	5.2	8
126	Oneâ€Pot Regioâ€and Diastereoselective Synthesis of Tetrahydroâ€Î±â€carbolines via Cascade Reactions of Iminoindolines with Moritaâ€Baylisâ€Hillman Bromides of Nitroalkenes. European Journal of Organic Chemistry, 2022, 2022, .	2.4	8

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127	Generation and Trapping of a Cage Annulated Vinylidenecarbene and Approaches to Its Cycloalkyne Isomer. Journal of Organic Chemistry, 2012, 77, 6998-7004.	3.2	7
128	Role of amphiphilic [metal:chelator] complexes in a non-chromatographic antibody purification platform. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1133, 121830.	2.3	7
129	Synthesis of Sulfonyloxindoles via Functional Group Exchange Between 3â€Sulfonylphthalide and Isatylidenemalononitrile. Asian Journal of Organic Chemistry, 2021, 10, 1102-1112.	2.7	7
130	Stereoselective Synthesis of Tri- and Tetrasubstituted Olefins via 1,6-Additions of Diazo Compounds and Their Precursors to p-Quinone Methides. ACS Organic & Inorganic Au, 2021, 1, 51-59.	4.0	6
131	Synthesis of Î±-tribromomethylamines via Mg-mediated addition of bromoform to imines. Organic and Biomolecular Chemistry, 2014, 12, 2769-2777.	2.8	5
132	Membrane protein crystallization in micelles conjugated by nucleoside base-pairing: A different concept. Journal of Structural Biology, 2016, 195, 379-386.	2.8	5
133	Michael Additionâ€Elimination and [4+1] Annulation of Sulfonylphthalide with Hydroxychalcones for the Synthesis of Alkylidenephthalides and Indanediones. European Journal of Organic Chemistry, 2021, 2021, 3472-3477.	2.4	5
134	Engineered-membranes: A novel concept for clustering of native lipid bilayers. Journal of Colloid and Interface Science, 2012, 388, 300-305.	9.4	4
135	Substrate-oriented selectivity in the Mg-mediated conjugate addition of bromoform to electron-deficient alkenes. Organic and Biomolecular Chemistry, 2020, 18, 5697-5707.	2.8	3
136	Combustion characteristics of novel bishomocubane propellants in oxygen-enriched environments. Fuel, 2021, 305, 121508.	6.4	3
137	Reactions of Sulfonylphthalide with Diverse Activated Imines for the Synthesis of Enaminophthalides, Spiro-isoquinolinones, and Homalicine Natural Products. Journal of Organic Chemistry, 2023, 88, 4038-4051.	3.2	3
138	Controlled micelle conjugation via charged peptide amphiphiles. Journal of Peptide Science, 2019, 25, e3174.	1.4	2
139	Synthesis of Î²-triazolylenones via metal-free desulfonylative alkylation of N-tosyl-1,2,3-triazoles. Beilstein Journal of Organic Chemistry, 2021, 17, 762-770.	2.2	2
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