Mookda Pattarawarapan

List of Publications by Year
in descending order

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71 papers	1,120 citations	430874 18 h-index	501196 28 g-index
90 all docs	90 docs citations	90 times ranked	1274 citing authors

#	Article	IF	Citations
1	Molecular Basis of Neurotrophinâˆ'Receptor Interactions. Journal of Medicinal Chemistry, 2003, 46, 5277-5291.	6.4	77
2	Selective Small Molecule Peptidomimetic Ligands of TrkC and TrkA Receptors Afford Discrete or Complete Neurotrophic Activities. Chemistry and Biology, 2005, 12, 1015-1028.	6.0	53
3	Solid-Phase SN2 Macrocyclization Reactions To Form Î²-Turn Mimics. Organic Letters, 1999, 1, 121-124.	4.6	52
4	An efficient mechanochemical synthesis of amides and dipeptides using 2,4,6-trichloro-1,3,5-triazine and PPh₃. RSC Advances, 2015, 5, 52624-52628.	3.6	52
5	Solution- and Solid-Phase Syntheses of Substituted Guanidinocarboxylic Acids. ACS Combinatorial Science, 2000, 2, 276-281.	3.3	42
6	New Templates for Syntheses of Ring-Fused, C10Î²-Turn Peptidomimetics Leading to the First Reported Small-Molecule Mimic of Neurotrophin-3. Journal of Medicinal Chemistry, 2002, 45, 4387-4390.	6.4	32
7	Syntheses and Activities of New C10Î²-Turn Peptidomimetics. Journal of Organic Chemistry, 2004, 69, 701-713.	3.2	31
8	Development of a one-step immunochromatographic strip test for the rapid detection of nevirapine (NVP), a commonly used antiretroviral drug for the treatment of HIV/AIDS. Talanta, 2007, 71, 462-470.	5.5	31
9	Approach to the Synthesis of 2,3-Disubstituted-3H-quinazolin-4-ones Mediated by Ph₃Pâ€"I₂. Journal of Organic Chemistry, 2017, 82, 8058-8066.	3.2	31
10	Significance of reagent addition sequence in the amidation of carboxylic acids mediated by PPh₃ andÂI₂. RSC Advances, 2015, 5, 25789-25793.	3.6	28
11	Acyloxyphosphonium versus Aminophosphonium Intermediates: Application to the Synthesis of Nâ€Acylbenzotriazoles. European Journal of Organic Chemistry, 2014, 2014, 7109-7112.	2.4	27
12	Ultrasound-assisted synthesis of substituted 2-aminobenzimidazoles, 2-aminobenzoxazoles, and related heterocycles. Tetrahedron Letters, 2016, 57, 5290-5293.	1.4	27
13	Application of N-Acylbenzotriazoles in the Synthesis of 5-Substituted 2-Ethoxy-1,3,4-oxadiazoles as Building Blocks toward 3,5-Disubstituted 1,3,4-Oxadiazol-2(3H)-ones. Journal of Organic Chemistry, 2017, 82, 9923-9929.	3.2	25
14	Development of Immunochromatographic Assay for the On-site Detection of Salbutamol. Journal of Immunoassay and Immunochemistry, 2009, 30, 441-456.	1.1	24
15	Rapid oxidation of organic halides with N-methylmorpholine N-oxide in an ionic liquid under microwave irradiation. Tetrahedron Letters, 2013, 54, 1983-1986.	1.4	24
16	Synthesis and applications of Fe3O4-diisopropylaminoacetamide as a versatile and reusable magnetic nanoparticle supported N,N-diisopropylethylamine equivalent. Tetrahedron Letters, 2012, 53, 2689-2693.	1.4	21
17	Synthesis of highly selective spherical caffeine imprinted polymers via ultrasoundâ€assisted precipitation polymerization. Journal of Applied Polymer Science, 2013, 128, 3893-3899.	2.6	20
18	A peptidomimetic of NT-3 acts as a TrkC antagonist. Peptides, 2009, 30, 1833-1839.	2.4	19

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19	Facile synthesis of magnetic molecularly imprinted polymers for caffeine via ultrasound-assisted precipitation polymerization. Polymer Bulletin, 2013, 70, 691-705.	3.3	19
20	Ph₃P/I₂-Mediated Synthesis of N,Nâ€²,Nâ€³-Substituted Guanidines and 2-Iminoimidazolin-4-ones from Aryl Isothiocyanates. Journal of Organic Chemistry, 2017, 82, 10331-10340.	3.2	19
21	Synthesis of Molecularly Imprinted Polymers for Nevirapine by Dummy Template Imprinting Approach. Chromatographia, 2009, 70, 1531-1537.	1.3	18
22	Metal-free amidation of carboxylic acids with tertiary amines. RSC Advances, 2016, 6, 60287-60290.	3.6	18
23	Potassium Periodate Mediated Oxidative Cyclodesulfurization toward Benzofused Nitrogen Heterocycles. Synthesis, 2020, 52, 1981-1990.	2.3	18
24	Microwave-assisted SNAr reaction of 2,4,6-trichloro-1,3,5-triazine for the rapid synthesis of C3-symmetrical polycarboxylate ligands. Tetrahedron Letters, 2012, 53, 3486-3489.	1.4	17
25	Ultrasound-assisted synthesis of substituted guanidines from thioureas. Tetrahedron Letters, 2016, 57, 1354-1358.	1.4	17
26	Divergent Synthesis of Methylisatoid and Tryptanthrin Derivatives by Ph₃Pâ€“I₂-Mediated Reaction of Isatins with and without Alcohols. Journal of Organic Chemistry, 2020, 85, 15743-15751.	3.2	17
27	A Linker Scaffold to Present Dimers of Pharmacophores Prepared by Solid-Phase Syntheses. Angewandte Chemie - International Edition, 2000, 39, 4299-4301.	13.8	16
28	A Rigid Linker-Scaffold for Solid-Phase Synthesis of Dimeric Pharmacophores. ACS Combinatorial Science, 2001, 3, 102-116.	3.3	16
29	Facile synthesis of N-acylbenzotriazoles from carboxylic acids mediated by 2,4,6-trichloro-1,3,5-triazine and triethylamine. Monatshefte FÃ¼r Chemie, 2015, 146, 959-963.	1.8	16
30	Acid anhydrides and the unexpected N,N-diethylamides derived from the reaction of carboxylic acids with Ph3P/I2/Et3N. Tetrahedron Letters, 2016, 57, 325-328.	1.4	16
31	Ph3P-I2 mediated aryl esterification with a mechanistic insight. Tetrahedron Letters, 2016, 57, 2087-2089.	1.4	15
32	Selective Formation of Homo- and Heterobivalent Peptidomimetics. Journal of Medicinal Chemistry, 2003, 46, 3565-3567.	6.4	14
33	Ultrasound-Assisted Solvent-Free Parallel Synthesis of 3-Arylcoumarins Using N-Acylbenzotriazoles. ACS Combinatorial Science, 2016, 18, 279-282.	3.8	14
34	A convenient synthesis of 4-arylidene-2-phenyl-5(4H)-oxazolones under solvent-assisted grinding. Tetrahedron Letters, 2016, 57, 3171-3174.	1.4	14
35	Stereochemical Implications on Diversity in Î²-Turn Peptidomimetic Libraries. Journal of Organic Chemistry, 1999, 64, 9175-9177.	3.2	13
36	Solvent-free reduction of carboxylic acids to alcohols with NaBH₄promoted by 2,4,6-trichloro-1,3,5-triazine and PPh₃in the presence of K₂CO₃. RSC Advances, 2014, 4, 46947-46950.	3.6	13

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37	Ph3P/I2-mediated synthesis of N,Nâ€²-disubstituted and N,N,Nâ€²-trisubstituted amidines. Tetrahedron Letters, 2016, 57, 5351-5354.	1.4	13
38	Ph3P/I2-Mediated Synthesis of 3-Aryl-Substituted and 3,4-Disubstituted Coumarins. Synlett, 2017, 28, 825-830.	1.8	12
39	Ultrasound-Assisted Methyl Esterification of Carboxylic Acids ÂCatalyzed by Polymer-Supported Triphenylphosphine. Synlett, 2015, 26, 2006-2008.	1.8	11
40	Highly diastereoselective synthesis of enantioenriched anti-Î±-allyl-Î²-fluoroamines. Chemical Communications, 2019, 55, 6050-6053.	4.1	11
41	Preferred Secondary Structures as a Possible Driving Force for Macrocyclization. Tetrahedron, 2000, 56, 9809-9818.	1.9	10
42	Catalytic role of PPh3 and its polymer bound analog in the amidation of carboxylic acids mediated by 2,4,6-trichloro-1,3,5-triazine. Tetrahedron Letters, 2015, 56, 4997-5001.	1.4	9
43	TCT-mediated synthesis of N-acylbenzotriazoles in aqueous media. Tetrahedron Letters, 2015, 56, 6998-7000.	1.4	9
44	Ultrasonic-assisted synthesis of carbodiimides from N,Nâ€²-disubstituted thioureas and ureas. Monatshefte FÃ¼r Chemie, 2016, 147, 1945-1949.	1.8	9
45	Metal-Free Synthesis of 2-N,N-Dialkylaminobenzoxazoles Using Tertiary Amines as the Nitrogen Source. Journal of Organic Chemistry, 2019, 84, 6516-6523.	3.2	9
46	Poly(4-vinylpyridine-co-divinylbenzene) supported iron(III) catalyst for selective oxidation of toluene to benzoic acid with H2O2. Tetrahedron, 2012, 68, 9423-9428.	1.9	8
47	Mechanochemical synthesis of primary amides from carboxylic acids using TCT/NH4SCN. Tetrahedron Letters, 2018, 59, 3571-3573.	1.4	8
48	Simultaneous Formation and Functionalization of Aryliminophosphoranes Using 1,3-Dihydro-1H-benzimidazol-2-ones as Precursors. Journal of Organic Chemistry, 2020, 85, 13330-13338.	3.2	8
49	Ultrasound-Assisted Synthesis of N-Acylcyanamides and N-Acyl-Substituted Imidazolones from Carboxylic Acids by Using Trichloroisocyanuric Acid/Triphenylphosphine. Synlett, 2020, 31, 703-707.	1.8	8
50	Immunochromatographic Strip Test for Rapid Detection of Nevirapine in Plasma Samples from Human Immunodeficiency Virus-Infected Patients. Antimicrobial Agents and Chemotherapy, 2007, 51, 3361-3363.	3.2	7
51	Production of Monoclonal Antibody to Acaricide Dicofol and Its Derivatives. Hybridoma, 2010, 29, 495-500.	0.4	7
52	Ultrasound-assisted solventless synthesis of amines by in situ oxidation/reductive amination of benzyl halides. RSC Advances, 2014, 4, 20454-20458.	3.6	7
53	One-Pot Synthesis of C 2 Symmetric and Asymmetric N,Nâ€²,Nâ€²â€²-Substituted Guanidines from Aryl Isothiocyanates and Amines. Synlett, 2016, 27, 1121-1127.	1.8	7
54	Development and Application of an Indirect Competitive Enzyme-Linked Immunosorbent Assay for the Detection of p,pâ€²-DDE in Human Milk and Comparison of the Results against GC-ECD. Journal of Agricultural and Food Chemistry, 2012, 60, 16-22.	5.2	6

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55	Naturally occurring prenylated coumarins from Micromelum integerrimum twigs. Phytochemistry Letters, 2014, 7, 165-168.	1.2	6
56	A convenient one-pot synthesis of N-substituted amidoximes and their application toward 1,2,4-oxadiazol-5-ones. RSC Advances, 2018, 8, 38281-38288.	3.6	6
57	Development of an Immunoassay for the Detection of Amyloid Beta 1-42 and Its Application in Urine Samples. Journal of Immunology Research, 2020, 2020, 1-9.	2.2	6
58	Influence of secondary ligand on structures and topologies of lanthanide coordination polymers with 1,3,5-triazine-2,4,6-triamine hexaacetic acid. Journal of Coordination Chemistry, 2015, 68, 4184-4202.	2.2	5
59	Mechanochemical Synthesis of Substituted 4H-3,1-Benzoxazin-4-ones, 2-Aminobenzoxazin-4-ones, and 2-Amino-4H-3,1-benzothiazin-4-ones Mediated by 2,4,6-Trichloro-1,3,5-triazine and Triphenylphosphine. Synlett, 2017, 28, 589-592.	1.8	5
60	Zwitterionic Ring-Opened Oxyphosphonium Species from the Ph₃Pâ€“I₂ Mediated Reactions of Benzo[d]oxazol-2(3H)-ones with Secondary Amines. Journal of Organic Chemistry, 2020, 85, 6151-6158.	3.2	5
61	Facile and efficient synthesis of C2-symmetrical 1,3,5-triazine polycarboxylate ligands under microwave irradiation. Tetrahedron, 2014, 70, 5415-5419.	1.9	4
62	A convenient one-pot synthesis of ketone cyanohydrin esters in aqueous media. Tetrahedron Letters, 2015, 56, 7172-7175.	1.4	4
63	Ultrasound-assisted solvent-free synthesis of benzyl nitriles using Amberlite IRA 900 supported cyanide ion. Monatshefte FÃ¼r Chemie, 2014, 145, 1845-1849.	1.8	3
64	Phosphonium-Mediated Synthesis of a New Class of Indoloquinazoline Derivatives Bearing a C-12 Aryloxy Ester or Spiro-Î³-lactone. Synthesis, 2022, 54, 2070-2080.	2.3	2
65	Mechanochemical Synthesis of 2,5-Disubstituted 1,3,4-Oxadiazoles Mediated by PPh3-TCCA. Synlett, 0, , .	1.8	2
66	5-Amino-Substituted 2-Methoxy-1,3,4-oxadiazoles as Common Precursors Toward 1,3,4-Oxadiazol-2(3H)-ones and 1,2,4-Triazolidine-3,5-diones. Synthesis, 2022, 54, 4539-4550.	2.3	2
67	Syntheses of second generation, 14-membered ring Î²-turn mimics. Chemical Communications, 2003, , 1674-1675.	4.1	1
68	New Polymorph of 1,3,5-Triazine-2,4,6-triaminehexaacetic Acid. Journal of Chemical Crystallography, 2012, 42, 733-738.	1.1	1
69	Direct Synthesis of N-Monosubstituted Benzimidazol-2-ones via Ph3Pâ€“I2-Mediated Reaction of Hydroxamic Acids. Synlett, 0, , .	1.8	1
70	Synthesis of N3-Substituted Quinazoline-2,4-diones via C-4 Amination-Cyclization of Isatoic Anhydrides. Heterocycles, 2022, 105, 556.	0.7	1
71	Molecular Basis of Neurotrophinâ€”Receptor Interactions. ChemInform, 2004, 35, no.	0.0	0