Ai-Yun Peng

List of Publications by Year
in descending order

33 papers	579 citations	759233 12 h-index	610901 24 g-index
41 all docs	41 docs citations	41 times ranked	502 citing authors

#	Article	IF	Citations
1	The Synthesis of Phosphaisocoumarins by Cu(I)-Catalyzed Intramolecular Cyclization ofo-Ethynylphenylphosphonic Acid Monoesters. Journal of the American Chemical Society, 2003, 125, 15006-15007.	13.7	93
2	Synthesis of Phosphaisocoumarins via Iodocyclization. Organic Letters, 2004, 6, 1119-1121.	4.6	83
3	Phosphaisocoumarins as a new class of potent inhibitors for pancreatic cholesterol esterase. European Journal of Medicinal Chemistry, 2010, 45, 1955-1963.	5.5	60
4	Synthesis of 2H-1,2-Oxaphosphorin 2-Oxides via Ag2CO3-Catalyzed Cyclization of (Z)-2-Alken-4-ynylphosphonic Monoesters. Organic Letters, 2005, 7, 3299-3301.	4.6	57
5	Thermally Stable White Emitting Eu³⁺ Complex@Nanozeolite@Luminescent Glass Composite with High CRI for Organic-Resin-Free Warm White LEDs. ACS Applied Materials & Interfaces, 2017, 9, 7272-7281.	8.0	42
6	An Efficient Route to 4-Halophosphaisocoumarins via CuX₂-Mediated Direct Halocyclization of 2-(1-Alkynyl)phenylphosphonic Acid Diesters. Journal of Organic Chemistry, 2008, 73, 9012-9015.	3.2	34
7	Synthesis of 4-halophosphaisocoumarins via halocyclization of 2-(1-alkynyl)phenylphosphonates. Tetrahedron, 2005, 61, 10303-10308.	1.9	27
8	A convenient and applicable route to synthesize 2-(1-alkynyl)phenylphosphonates. Heteroatom Chemistry, 2005, 16, 529-534.	0.7	25
9	Synthesis and biological evaluation of phosphorylated flavonoids as potent and selective inhibitors of cholesterol esterase. European Journal of Medicinal Chemistry, 2014, 74, 751-758.	5.5	19
10	Reinvestigation of the iodine-mediated phosphoramidation reaction of amines and P(OR)₃ and its synthetic applications. Organic and Biomolecular Chemistry, 2018, 16, 6783-6790.	2.8	16
11	Synthesis of Phosphaisocoumarin Acids via Me3SiX-Mediated Dealkylation Reaction. Synthesis, 2008, 2008, 2412-2416.	2.3	15
12	Synthesis of Haloâ€Enol Phostones by Using DMAPâ€Catalyzed Halocyclization of Alkynylphosphonic Monoesters. European Journal of Organic Chemistry, 2014, 2014, 8126-8132.	2.4	13
13	A new synthesis of fully phosphorylated flavones as potent pancreatic cholesterol esterase inhibitors. Organic and Biomolecular Chemistry, 2011, 9, 2530.	2.8	12
14	Pd(0)/iodide salt-mediated Heck reaction of aryl nonaflates: Application to the synthesis of 2-(1-alkenyl)phenylphosphonates. Journal of Fluorine Chemistry, 2011, 132, 982-986.	1.7	9
15	Inhibition of porcine liver carboxylesterase by phosphorylated flavonoids. Chemico-Biological Interactions, 2013, 204, 75-79.	4.0	9
16	Synthesis of phostones via DABCO-catalyzed bromocyclization of alkenylphosphonic acid monoesters. Organic and Biomolecular Chemistry, 2017, 15, 7396-7403.	2.8	9
17	Transcriptome analysis of three cultivars of Poria cocos reveals genes related to the biosynthesis of polysaccharides. Journal of Asian Natural Products Research, 2019, 21, 462-475.	1.4	9
18	Inhibition of Quorum-Sensing Regulator from Pseudomonas aeruginosa Using a Flavone Derivative. Molecules, 2022, 27, 2439.	3.8	8

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19	Alcoholysis of Phosphaisocoumarins and Synthesis of 2â€(2â€Oxoalkyl)phenylphosphonates. European Journal of Organic Chemistry, 2008, 2008, 5277-5282.	2.4	6
20	A mild and efficient amide formation reaction mediated by P(OEt)3 and iodine. RSC Advances, 2015, 5, 94328-94331.	3.6	5
21	Palladium(II) Acetate Catalyzed Cyclizationâ€“Coupling of (o-Ethynylphenyl)phosphonic Acid Monoesters with Allyl Halides. Synthesis, 2019, 51, 3499-3505.	2.3	5
22	Bromine-functionalized poly(carbonate-co-lactide)s: Synthesis, characterization and post-polymerization functionalization. Polymer, 2019, 180, 121705.	3.8	5
23	Acid/baseâ€catalyzed cyclization of Oâ€alkynylphenylphosphonic acid monoesters and (Oâ€hydroxyphenyl)ethynylphosphinates. Heteroatom Chemistry, 2011, 22, 649-652.	0.7	4
24	Efficient Synthesis of Phosphonamidates through Oneâ€Pot Sequential Reactions of Phosphonites with Iodine and Amines. Chemistry - A European Journal, 2020, 26, 14474-14480.	3.3	4
25	Efficient Synthesis of Phosphorus/Nitrogenâ€Containing Chrysin Derivatives via Classic Reactions. ChemistrySelect, 2021, 6, 415-418.	1.5	3
26	An efficient synthesis of 2-(1-(E)-alkenyl)phenylphosphonates via Suzuki reaction of aryl nonaflates with (E)-1-alkenylboronates. Journal of Fluorine Chemistry, 2013, 151, 58-62.	1.7	2
27	Synthesis of phosphaisocoumarin amidates via DIBAL-H-mediated selective amidation of phosphaisocoumarin esters. Organic and Biomolecular Chemistry, 2014, 12, 5458-5463.	2.8	2
28	Copolymerization of azide-containing carbonate with lactide and post functionalization. Journal of Polymer Research, 2020, 27, 1.	2.4	2
29	Synthesis and Reactions of Phosphaisocoumarins. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 665-666.	1.6	1
30	The Synthesis of Phosphaisocoumarins by Cu(I)-Catalyzed Intramolecular Cyclization of o-Ethynylphenylphosphonic Acid Monoesters.. ChemInform, 2004, 35, no.	0.0	0
31	Synthesis of Phosphaisocoumarins via Iodocyclization.. ChemInform, 2004, 35, no.	0.0	0
32	Synthesis of 2-H-1,2-Oxaphosphorin 2-Oxides via Ag2CO3-Catalyzed Cyclization of (Z)-2-Alken-4-ynylphosphonic Monoesters.. ChemInform, 2005, 36, no.	0.0	0
33	Synthesis of 4-Halophosphaisocoumarins via Halocyclization of 2-(1-Alkynyl)phenylphosphonates.. ChemInform, 2006, 37, no.	0.0	0