

Ai-Yun Peng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inhibition of Quorum-Sensing Regulator from <i>Pseudomonas aeruginosa</i> Using a Flavone Derivative. <i>Molecules</i> , 2022, 27, 2439.	3.8	8
2	Efficient Synthesis of Phosphorus/Nitrogen-Containing Chrysin Derivatives via Classic Reactions. <i>ChemistrySelect</i> , 2021, 6, 415-418.	1.5	3
3	Efficient Synthesis of Phosphoramidates through One-Pot Sequential Reactions of Phosphonites with Iodine and Amines. <i>Chemistry - A European Journal</i> , 2020, 26, 14474-14480.	3.3	4
4	Copolymerization of azide-containing carbonate with lactide and post functionalization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	2
5	Transcriptome analysis of three cultivars of <i>Poria cocos</i> reveals genes related to the biosynthesis of polysaccharides. <i>Journal of Asian Natural Products Research</i> , 2019, 21, 462-475.	1.4	9
6	Palladium(II) Acetate Catalyzed Cyclization-Coupling of (o-Ethynylphenyl)phosphonic Acid Monoesters with Allyl Halides. <i>Synthesis</i> , 2019, 51, 3499-3505.	2.3	5
7	Bromine-functionalized poly(carbonate-co-lactide)s: Synthesis, characterization and post-polymerization functionalization. <i>Polymer</i> , 2019, 180, 121705.	3.8	5
8	Reinvestigation of the iodine-mediated phosphoramidation reaction of amines and P(OR) ₃ and its synthetic applications. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6783-6790.	2.8	16
9	Thermally Stable White Emitting Eu ³⁺ Complex@Nanozeolite@Luminescent Glass Composite with High CRI for Organic-Resin-Free Warm White LEDs. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7272-7281.	8.0	42
10	Synthesis of phostones via DABCO-catalyzed bromocyclization of alkenylphosphonic acid monoesters. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7396-7403.	2.8	9
11	A mild and efficient amide formation reaction mediated by P(OEt) ₃ and iodine. <i>RSC Advances</i> , 2015, 5, 94328-94331.	3.6	5
12	Synthesis of phosphaisocoumarin amidates via DIBAL-H-mediated selective amidation of phosphaisocoumarin esters. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5458-5463.	2.8	2
13	Synthesis of Halo-Enol Phostones by Using DMAP-Catalyzed Halocyclization of Alkynylphosphonic Monoesters. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 8126-8132.	2.4	13
14	Synthesis and biological evaluation of phosphorylated flavonoids as potent and selective inhibitors of cholesterol esterase. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 751-758.	5.5	19
15	Inhibition of porcine liver carboxylesterase by phosphorylated flavonoids. <i>Chemico-Biological Interactions</i> , 2013, 204, 75-79.	4.0	9
16	An efficient synthesis of 2-(1-(E)-alkenyl)phenylphosphonates via Suzuki reaction of aryl nonaflates with (E)-1-alkenylboronates. <i>Journal of Fluorine Chemistry</i> , 2013, 151, 58-62.	1.7	2
17	A new synthesis of fully phosphorylated flavones as potent pancreatic cholesterol esterase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2530.	2.8	12
18	Pd(0)/iodide salt-mediated Heck reaction of aryl nonaflates: Application to the synthesis of 2-(1-alkenyl)phenylphosphonates. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 982-986.	1.7	9

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19	Acid/base-catalyzed cyclization of α -alkynylphenylphosphonic acid monoesters and (α -hydroxyphenyl)ethynylphosphinates. <i>Heteroatom Chemistry</i> , 2011, 22, 649-652.	0.7	4
20	Phosphaisocoumarins as a new class of potent inhibitors for pancreatic cholesterol esterase. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1955-1963.	5.5	60
21	Alcoholysis of Phosphaisocoumarins and Synthesis of α -(α -Oalkyl)phenylphosphonates. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5277-5282.	2.4	6
22	An Efficient Route to 4-Halophosphaisocoumarins via CuX_2 -Mediated Direct Halocyclization of 2-(1-Alkynyl)phenylphosphonic Acid Diesters. <i>Journal of Organic Chemistry</i> , 2008, 73, 9012-9015.	3.2	34
23	Synthesis and Reactions of Phosphaisocoumarins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 665-666.	1.6	1
24	Synthesis of Phosphaisocoumarin Acids via Me_3SiX -Mediated Dealkylation Reaction. <i>Synthesis</i> , 2008, 2008, 2412-2416.	2.3	15
25	Synthesis of 4-Halophosphaisocoumarins via Halocyclization of 2-(1-Alkynyl)phenylphosphonates.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
26	Synthesis of 4-halophosphaisocoumarins via halocyclization of 2-(1-alkynyl)phenylphosphonates. <i>Tetrahedron</i> , 2005, 61, 10303-10308.	1.9	27
27	A convenient and applicable route to synthesize 2-(1-alkynyl)phenylphosphonates. <i>Heteroatom Chemistry</i> , 2005, 16, 529-534.	0.7	25
28	Synthesis of 2-H-1,2-Oxaphosphorin 2-Oxides via Ag_2CO_3 -Catalyzed Cyclization of (Z)-2-Alken-4-ynylphosphonic Monoesters.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
29	Synthesis of 2H-1,2-Oxaphosphorin 2-Oxides via Ag_2CO_3 -Catalyzed Cyclization of (Z)-2-Alken-4-ynylphosphonic Monoesters. <i>Organic Letters</i> , 2005, 7, 3299-3301.	4.6	57
30	The Synthesis of Phosphaisocoumarins by Cu(I)-Catalyzed Intramolecular Cyclization of α -Ethynylphenylphosphonic Acid Monoesters.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
31	Synthesis of Phosphaisocoumarins via Iodocyclization.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
32	Synthesis of Phosphaisocoumarins via Iodocyclization. <i>Organic Letters</i> , 2004, 6, 1119-1121.	4.6	83
33	The Synthesis of Phosphaisocoumarins by Cu(I)-Catalyzed Intramolecular Cyclization of α -Ethynylphenylphosphonic Acid Monoesters. <i>Journal of the American Chemical Society</i> , 2003, 125, 15006-15007.	13.7	93