

Xiao-Yong Xu

List of Publications by Year in descending order

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70
papers

970
citations

567281

15
h-index

501196

28
g-index

71
all docs

71
docs citations

71
times ranked

982
citing authors

#	ARTICLE	IF	CITATIONS
1	Divalent and Oxabridged Neonicotinoids Constructed by Dialdehydes and Nitromethylene Analogues of Imidacloprid: Design, Synthesis, Crystal Structure, and Insecticidal Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2696-2702.	5.2	109
2	Overall status of neonicotinoid insecticides in China: Production, application and innovation. <i>Journal of Pesticide Sciences</i> , 2013, 38, 1-9.	1.4	93
3	cis-Configuration: A New Tactic/Rationale for Neonicotinoid Molecular Design. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2943-2949.	5.2	67
4	Synthesis and Nematicidal Activities of 1,2,3-Benzotriazin-4-one Derivatives against <i>Meloidogyne incognita</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 6883-6889.	5.2	49
5	Fipronil induces apoptosis through caspase-dependent mitochondrial pathways in <i>Drosophila</i> S2 cells. <i>Pesticide Biochemistry and Physiology</i> , 2015, 119, 81-89.	3.6	44
6	Specific Synergist for Neonicotinoid Insecticides: IPPA08, a cis-Neonicotinoid Compound with a Unique Oxabridged Substructure. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 5148-5155.	5.2	44
7	Discovery of novel 1,5-benzodiazepine-2,4-dione derivatives as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3948-3951.	2.2	38
8	Degradation of chiral neonicotinoid insecticide cycloxaprid in flooded and anoxic soil. <i>Chemosphere</i> , 2015, 119, 334-341.	8.2	38
9	Bioavailability and release of nonextractable (bound) residues of chiral cycloxaprid using geophagous earthworm <i>Metaphire guillelmi</i> in rice paddy soil. <i>Science of the Total Environment</i> , 2015, 526, 243-250.	8.0	27
10	Facile and Versatile Synthesis of Alkyl and Aryl Isothiocyanates by Using Triphosgene and CoSolvent. <i>Synthetic Communications</i> , 2013, 43, 3342-3351.	2.1	21
11	Synthesis and chiral purification of ¹⁴ C-labeled novel neonicotinoids, paichongding. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 775-779.	1.0	18
12	Oxidation Strategy for the Synthesis of Regioisomeric Spiroisobenzofuranopyrroles: Facile Entries to Spiro[isobenzofuran-1,2- ϵ^2 -pyrrole] and Spiro[isobenzofuran-1,3- ϵ^2 -pyrrole] Derivatives. <i>Synlett</i> , 2015, 26, 393-403.	1.8	18
13	Radiosynthesis of tritium-labeled novel nitromethylene neonicotinoids compounds with NaB ³ H ₄ . <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 256-259.	1.0	17
14	Bioisosterism and Scaffold Hopping in Modern Nematicide Research. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 11042-11055.	5.2	17
15	Synthesis and nematicidal activities of 1,2,3-benzotriazin-4-one derivatives containing thiourea and acylthiourea against <i>Meloidogyne incognita</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2641-2644.	2.2	16
16	Fluorous biphasic oxidation of ethyl benzene and benzyl alcohol catalyzed by perfluoroalkyl phthalocyanine complexes. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1051-1055.	3.2	15
17	Isoxazole-containing neonicotinoids: Design, synthesis, and insecticidal evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 831-833.	2.2	15
18	The binding properties of cycloxaprid on insect native nAChRs partially explain the low cross-resistance with imidacloprid in <i>Nilaparvata lugens</i> . <i>Pest Management Science</i> , 2019, 75, 246-251.	3.4	14

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19	Design, synthesis, molecular modeling, and biological evaluation of acrylamide derivatives as potent inhibitors of human dihydroorotate dehydrogenase for the treatment of rheumatoid arthritis. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 795-809.	12.0	14
20	A Facile Synthesis of Pyrimidone Derivatives and Single-Crystal Characterization of Pymetrozine. <i>Synthetic Communications</i> , 2012, 42, 2327-2336.	2.1	12
21	Catalyst-free and selective synthesis of 2-aminothiophenes and 2-amino-4,5-dihydrothiophenes from 4-thiazolidinones in water. <i>RSC Advances</i> , 2016, 6, 59808-59815.	3.6	12
22	Assessment of the environmental fate of cyclozaprid in flooded and anaerobic soils by radioisotopic tracing. <i>Science of the Total Environment</i> , 2016, 543, 116-122.	8.0	11
23	Preparation and characterization of several azoxystrobin channel solvates. <i>Journal of Molecular Structure</i> , 2019, 1189, 40-50.	3.6	11
24	Synthesis and nematicidal evaluation of 1,2,3-benzotriazin-4-one derivatives containing piperazine as linker against <i>Meloidogyne incognita</i> . <i>Chinese Chemical Letters</i> , 2019, 30, 1207-1213.	9.0	11
25	Design, Synthesis, and Synergistic Activity of Eight-Membered Oxabridge Neonicotinoid Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 3005-3014.	5.2	11
26	Synthesis and Insecticidal Evaluation of Novel Phthalic Diamides Containing 1,2,3-Triazoles via Click Reaction. <i>Chinese Journal of Chemistry</i> , 2014, 32, 592-598.	4.9	10
27	Functional interaction of nicotinic acetylcholine receptors and Na ⁺ /K ⁺ ATPase from <i>Locusta migratoria manilensis</i> (Meyen). <i>Scientific Reports</i> , 2015, 5, 8849.	3.3	10
28	Three solid forms of chlorantraniliprole: Structure, characterization, and phase transformation. <i>Journal of Molecular Structure</i> , 2018, 1171, 323-332.	3.6	10
29	Synthesis and Insecticidal Activities of Tetrahydroimidazo[1,2-a]pyridinones: Further Exploration on Neonicotinoids. <i>Synthetic Communications</i> , 2014, 44, 858-867.	2.1	9
30	Synthesis of novel 1,2,3-triazole-containing pyridine-pyrazole amide derivatives based on one-pot click reaction and their evaluation for potent nematicidal activity against <i>Meloidogyne incognita</i> . <i>Research on Chemical Intermediates</i> , 2016, 42, 5495-5508.	2.7	9
31	Photostability study of <i>cis</i> -configuration neonicotinoid insecticide cyclozaprid in water. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 525-537.	1.5	9
32	Design, synthesis and nematicidal activities of trifluorobutene amide derivatives against <i>Meloidogyne incognita</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127917.	2.2	9
33	Copper(II)-Catalyzed Direct C-H Trifluoroethylation of Heteroarenes. <i>Organic Letters</i> , 2022, 24, 1913-1917.	4.6	9
34	Synthesis, structure-activity relationship and binding mode analysis of 4-thiazolidinone derivatives as novel inhibitors of human dihydroorotate dehydrogenase. <i>MedChemComm</i> , 2017, 8, 1297-1302.	3.4	8
35	CF ₂ DSO ₂ Na: An Effective Precursor Reagent for Deuteriodifluoromethylation and Deuteriodifluoromethylation. <i>Organic Letters</i> , 2021, 23, 5545-5548.	4.6	8
36	Diamides conformationally restricted with central amino acid: Design, synthesis, and biological activities. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 1045-1053.	2.6	8

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37	Study of Cycloxaprid Co-crystals: Characterization, Theory Calculation, Solubility, and Stability. <i>Crystal Growth and Design</i> , 2022, 22, 4437-4452.	3.0	8
38	An overview of radio or stable isotope labeled <i>cis</i> -neonicotinoid analogs. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2012, 55, 339-345.	1.0	7
39	Design, synthesis, and nematicidal activities of novel 1,3-thiazin(thiazol)-4-one derivatives against <i>Meloidogyne incognita</i> . <i>Journal of Chemical Research</i> , 2019, 43, 161-169.	1.3	7
40	Synthesis and nematicidal activities of 1,2,3-benzotriazin-4-one derivatives containing benzo[d][1,2,3]thiadiazole against <i>Meloidogyne incognita</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127369.	2.2	7
41	Discovery of novel iminosydnone compounds with insecticidal activities based on the binding mode of triflumezopyrim. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 46, 128120.	2.2	7
42	Multipathways for the Synthesis of Fused Bicyclic 2-Aminothiazolyl Compounds Tuned by Ring Size. <i>Synlett</i> , 2014, 25, 2797-2801.	1.8	6
43	IPPA08 allosterically enhances the action of imidacloprid on nicotinic acetylcholine receptors. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 79, 36-41.	2.7	6
44	Design, synthesis and inhibitory activity against human dihydroorotate dehydrogenase (hDHODH) of 1,3-benzoxazole derivatives bearing amide units. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3064-3066.	2.2	6
45	Study on Structure, Stability, and Phase Transformation of Dufulin Polymorphs. <i>Crystal Growth and Design</i> , 2021, 21, 6697-6713.	3.0	6
46	Computational Investigations about the Effects of Heteromolecular Aggregation on Bioactivities: a Case of Neonicotinoids and Water. <i>Chinese Journal of Chemistry</i> , 2014, 32, 324-334.	4.9	5
47	Synthesis of Trisubstituted Isoxazoles from Nitroenamines and Aromatic Aldehydes. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1517-1521.	4.9	5
48	Facile Synthesis of Tetrahydroimidazolpyridinones via an MCR Involving 6-Cl-PMNI, Aldehydes, and Meldrum's Acid. <i>Synthetic Communications</i> , 2011, 41, 1112-1118.	2.1	4
49	Synergism of fused bicyclic 2-aminothiazolyl compounds with polymyxin B against <i>Klebsiella pneumoniae</i> . <i>MedChemComm</i> , 2017, 8, 2060-2066.	3.4	4
50	Non-alkylator anti-glioblastoma agents induced cell cycle G2/M arrest and apoptosis: Design, in silico physicochemical and SAR studies of 2-aminoquinoline-3-carboxamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 51, 128371.	2.2	4
51	Design, screening, and properties of novel solvates of azoxystrobin based on isomorphism. <i>CrystEngComm</i> , 2020, 22, 3863-3870.	2.6	4
52	A bench-stable reagent for C-4 selective deuteriodifluoromethylation of azines. <i>Chinese Chemical Letters</i> , 2022, 33, 4817-4821.	9.0	4
53	A Facile Synthesis of Substituted N-Benzoylthiourea. <i>Synthetic Communications</i> , 2003, 33, 2585-2592.	2.1	3
54	Synthesis, Insecticidal Assay and Molecular Docking Study of Novel Neonicotinoids <i>N</i> -Oxide Analogues. <i>Chinese Journal of Chemistry</i> , 2012, 30, 357-361.	4.9	3

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55	A novel colorimetric fluoride sensor based on a semi-rigid chromophore controlled by hydrogen bonding. <i>Luminescence</i> , 2015, 30, 1285-1289.	2.9	3
56	Catalyst-free synthesis of thiazolidines via sequential hydrolysis/rearrangement reactions of 5-arylidene-thiazolidin-4-ones at room temperature. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1932-1938.	2.8	3
57	Synthesis and nematicidal activities of 1,2,3-benzotriazin-4-one containing 4,5-dihydrothiazole-2-thiol derivatives against <i>Meloidogyne incognita</i> . <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020, 195, 194-200.	1.6	3
58	The structure modification of seven-membered aza-bridged neonicotinoids in order to investigate their impact on honey bees. <i>Journal of Chemical Research</i> , 2021, 45, 835-844.	1.3	3
59	Synthesis, crystal structure, and biological evaluation of a novel eight-membered dinitration neonicotinoid analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 43, 127960.	2.2	3
60	A New, Simple, One-Pot Route for the Synthesis of Triazepin-8-one Derivatives. <i>Synlett</i> , 2016, 27, 442-446.	1.8	2
61	Condition-Based Selective Synthesis of 3,4,5-Trisubstituted Isoxazoline N-oxides, 4,5-Dihydroisoxazoles and Isoxazoles. <i>ChemistrySelect</i> , 2018, 3, 6344-6348.	1.5	2
62	Structural Optimization and Structure-Activity Relationship of 4-Thiazolidinone Derivatives as Novel Inhibitors of Human Dihydroorotate Dehydrogenase. <i>Molecules</i> , 2019, 24, 2780.	3.8	2
63	Design, synthesis, and insecticidal activities of novel diamide derivatives with alpha-amino acid subunits. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1429-1436.	2.6	2
64	Copper-catalyzed radical trifluoroethylthiolation of arylboronic acids with PhSO ₂ SCH ₂ CF ₃ . <i>Tetrahedron Letters</i> , 2022, 92, 153293.	1.4	2
65	Iron (III)-catalyzed one-pot synthesis of fused 4-H-pyran derivatives via Knoevenagel-Michael cyclization reaction. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	2.6	2
66	Design, structural derivation, and nematicidal activities of 1,2,3-benzotriazin-4-one derivatives. , 2021, , 335-356.		1
67	Multicomponent Pharmaceutical Adducts of Azoxystrobin: Physicochemical Properties, Thermodynamic, and Molecular Modeling Study. <i>Crystal Research and Technology</i> , 0, , 2100057.	1.3	1
68	Neonicotinoids stimulate H ₂ -limited methane emission in <i>Periplaneta americana</i> through the regulation of gut bacterium community. <i>Environmental Pollution</i> , 2021, 285, 117237.	7.5	1
69	Acid-mediated the synthesis of chromeno[2,3-b]pyridine derivatives via condensation of 2-amino-3-formylchromones and 1-(methylthio)-2-nitroenamine derivatives. <i>Synlett</i> , 0, 0, .	1.8	1
70	Design, synthesis and nematicidal activities of trifluorobutene hydroxamic acid derivatives against <i>Meloidogyne incognita</i> . <i>Journal of Molecular Structure</i> , 2022, 1264, 133191.	3.6	1