

Huizhe Lu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Novel Glycosylated Naphthalimide-Based Activatable Fluorescent Probe: A Tool for the Assessment of Hexosaminidase Activity and Intracellular Hexosaminidase Imaging. <i>ACS Sensors</i> , 2019, 4, 1222-1229.	7.8	25
2	Design, synthesis biological activity, and docking of novel fluopyram derivatives containing guanidine group. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115846.	3.0	22
3	Synthesis, Antifungal Activity and QSAR of Some Novel Carboxylic Acid Amides. <i>Molecules</i> , 2015, 20, 4071-4087.	3.8	21
4	Discovery of Novel Inhibitors Targeting Human O-GlcNAcase: Docking-Based Virtual Screening, Biological Evaluation, Structural Modification, and Molecular Dynamics Simulation. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4374-4382.	5.4	19
5	Design and Functional Characterization of a Novel Abscisic Acid Analog. <i>Scientific Reports</i> , 2017, 7, 43863.	3.3	18
6	Synthesis, Optimization, and Evaluation of Glycosylated Naphthalimide Derivatives as Efficient and Selective Insect β -N-Acetylhexosaminidase OfHex1 Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6387-6396.	5.2	17
7	Design and synthesis of naphthalimide group-bearing thioglycosides as novel β -N-acetylhexosaminidases inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 445-452.	5.2	16
8	Synthesis of NAM-thiazoline derivatives as novel O-GlcNAcase inhibitors. <i>Carbohydrate Research</i> , 2016, 429, 54-61.	2.3	15
9	Insights into the binding mechanism of a model protein with fomesafen: Spectroscopic studies, thermodynamics and molecular modeling exploration. <i>Journal of Molecular Structure</i> , 2019, 1195, 892-903.	3.6	15
10	One-Step construction of Polyimide/NH ₂ -UiO-66 heterojunction for enhanced photocatalytic degradation of sulfonamides. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 536-549.	9.4	15
11	Modification of the Thioglycosylated Naphthalimides as Potent and Selective Human O-GlcNAcase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1241-1246.	2.8	14
12	Synthesis of NAG-thiazoline-derived inhibitors for β -N-acetyl-d-hexosaminidases. <i>Carbohydrate Research</i> , 2015, 413, 135-144.	2.3	12
13	Identification of novel insect β -N-acetylhexosaminidase OfHex1 inhibitors based on virtual screening, biological evaluation, and molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 1735-1743.	3.5	12
14	Synthesis, resolution and biological evaluation of cyclopropyl analogs of abscisic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6210-6217.	3.0	11
15	Synthesis and Herbicidal Activity of Novel 1-(Diethoxy-phosphoryl)-3-(4-one-1H-1,2,3-triazol-1-yl)-propan-2-yl Carboxylic Esters. <i>Molecules</i> , 2015, 20, 1088-1103.	3.8	11
16	Insight into the interaction mechanism of human SGLT2 with its inhibitors: 3D-QSAR studies, homology modeling, and molecular docking and molecular dynamics simulations. <i>Journal of Molecular Modeling</i> , 2018, 24, 86.	1.8	11
17	Development of sodium glucose co-transporter 2 (SGLT2) inhibitors with novel structure by molecular docking and dynamics simulation. <i>Journal of Molecular Modeling</i> , 2019, 25, 175.	1.8	11
18	Synthesis and Biological Evaluation of Azamacrolide Comprising the Triazole Moiety as Quorum Sensing Inhibitors. <i>Molecules</i> , 2018, 23, 1086.	3.8	10

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19	Glycosyl triazoles as novel insect β -N-acetylhexosaminidase OfHex1 inhibitors: Design, synthesis, molecular docking and MD simulations. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2315-2322.	3.0	10
20	Three 2 D copper(II)/cadmium(II) coordination polymers based on semi-rigid/flexible bis-pyridyl-bis-amide ligands and 5-aminoisophthalate: Syntheses, structures and properties. <i>Journal of Chemical Sciences</i> , 2015, 127, 1275-1285.	1.5	8
21	APAβ, a Class of ABA Receptor Agonism/Antagonism Switching Probes. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8524-8534.	5.2	7
22	Study on the binding mechanism of thiamethoxam with three model proteins:spectroscopic studies and theoretical simulations. <i>Ecotoxicology and Environmental Safety</i> , 2021, 207, 111280.	6.0	7
23	Computational Studies on the Potency and Selectivity of PUGNAc Derivatives Against GH3, GH20, and GH84 β -N-acetyl-D-hexosaminidases. <i>Frontiers in Chemistry</i> , 2019, 7, 235.	3.6	6
24	Synthesis of ureido thioglycosides as novel insect β -N-acetylhexosaminidase OfHex1 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115602.	3.0	5
25	Computational and experimental investigations on the interactions of aryloxy-phenoxy-propionate herbicides to estrogen receptor alpha in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 110003.	6.0	4
26	Unveiling the novel characteristics of ICPD polymer and inhibitors binding affinities using 12-6-4 U-type nonbonded Mn ²⁺ model. <i>Journal of Molecular Liquids</i> , 2021, 322, 114992.	4.9	4
27	Twenty-seven-nucleotide repeat insertion in the rplV gene confers specific resistance to macrolide antibiotics in <i>Staphylococcus aureus</i> . <i>Oncotarget</i> , 2018, 9, 26086-26095.	1.8	3
28	Design and Optimization of Thioglycosylâ€“naphthalimides as Efficient Inhibitors Against Human O-GlcNAcase. <i>Frontiers in Chemistry</i> , 2019, 7, 533.	3.6	1
29	Structure and Function of the Refined C-Terminal Loop in Imidazole Glycerol Phosphate Dehydratase from Different Homologs. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 13871-13880.	5.2	1
30	Investigation on the Interaction of Pyrethroid Pesticides to Estrogen Receptor Alpha Through Computational and Experimental Methods. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112565.	5.0	0