

Hai-Bing Zhou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1676049/publications.pdf>

Version: 2024-02-01

98
papers

2,437
citations

186209

28
h-index

265120

42
g-index

120
all docs

120
docs citations

120
times ranked

2836
citing authors

#	ARTICLE	IF	CITATIONS
1	NF κ B selectivity of estrogen receptor ligands revealed by comparative crystallographic analyses. <i>Nature Chemical Biology</i> , 2008, 4, 241-247.	3.9	149
2	Novel Bioactive Hybrid Compound Dual Targeting Estrogen Receptor and Histone Deacetylase for the Treatment of Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4550-4572.	2.9	94
3	<i>C</i> ₃ -Symmetrical Cinchonine-Squaramide as New Highly Efficient, and Recyclable Organocatalyst for Enantioselective Michael Addition. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2715-2720.	2.1	82
4	Elemental Isomerism: A Boron-Nitrogen Surrogate for a Carbon-Carbon Double Bond Increases the Chemical Diversity of Estrogen Receptor Ligands. <i>Chemistry and Biology</i> , 2007, 14, 659-669.	6.2	66
5	<i>C</i> ₃ -Symmetric Cinchonine-Squaramide-Catalyzed Asymmetric Chlorolactonization of Styrene-Type Carboxylic Acids with 1,3-Dichloro-5,5-dimethylhydantoin: An Efficient Method to Chiral Isochromanones. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1275-1280.	2.1	66
6	Applications of Chiral Squaramides: From Asymmetric Organocatalysis to Biologically Active Compounds. <i>Chemical Record</i> , 2016, 16, 897-906.	2.9	66
7	Dendritic Ruthenium Porphyrins: A New Class of Highly Selective Catalysts for Alkene Epoxidation and Cyclopropanation. <i>Chemistry - A European Journal</i> , 2002, 8, 1554-1562.	1.7	64
8	Synthesis and Evaluation of Estrogen Receptor Ligands with Bridged Oxabicyclic Cores Containing a Diarylethylene Motif: Estrogen Antagonists of Unusual Structure. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 7261-7274.	2.9	64
9	Thiophene-Core Estrogen Receptor Ligands Having Superagonist Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3346-3366.	2.9	52
10	Full antagonism of the estrogen receptor without a prototypical ligand side chain. <i>Nature Chemical Biology</i> , 2017, 13, 111-118.	3.9	48
11	Analogs of methyl-piperidinopyrazole (MPP): Antiestrogens with estrogen receptor $\hat{\pm}$ selective activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 108-110.	1.0	46
12	Enantioselective inhibition of reverse transcriptase (RT) of HIV-1 by non-racemic indole-based trifluoropropanoates developed by asymmetric catalysis using recyclable organocatalysts. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8463.	1.5	46
13	Recent advances in gossypol derivatives and analogs: a chemistry and biology view. <i>Future Medicinal Chemistry</i> , 2017, 9, 1243-1275.	1.1	44
14	Highly diastereoselective synthesis of quaternary $\hat{\pm}$ -trifluoromethyl $\hat{\pm}$ -amino acids from chiral imines of trifluoropyruvate. <i>Chemical Communications</i> , 2010, 46, 8029.	2.2	42
15	Development of [F-18]Fluorine-Substituted Tanaproget as a Progesterone Receptor Imaging Agent for Positron Emission Tomography. <i>Bioconjugate Chemistry</i> , 2010, 21, 1096-1104.	1.8	42
16	Predictive features of ligand-specific signaling through the estrogen receptor. <i>Molecular Systems Biology</i> , 2016, 12, 864.	3.2	41
17	Bisperoxovandium (pyridin-2-squaramide) targets both PTEN and ERK1/2 to confer neuroprotection. <i>British Journal of Pharmacology</i> , 2017, 174, 641-656.	2.7	41
18	Imaging Progesterone Receptor in Breast Tumors: Synthesis and Receptor Binding Affinity of Fluoroalkyl-Substituted Analogues of Tanaproget. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 3349-3360.	2.9	39

#	ARTICLE	IF	CITATIONS
19	Chiral squaramide as multiple H-bond donor organocatalysts for the asymmetric Michael addition of 1,3-dicarbonyl compounds to nitroolefins. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1550-1556.	1.8	39
20	Synthesis of Seven-Membered Ring Diazepin-2-ones via Palladium-Catalyzed Highly Regioselective Cyclization of 2-Vinylpyrrolidines with Aryl Isocyanates. <i>Journal of Organic Chemistry</i> , 2003, 68, 3439-3445.	1.7	38
21	Highly enantioselective Michael addition of 1,3-dicarbonyl compounds to nitroalkenes catalyzed by designer chiral BINOL-quinine-squaramide: efficient access to optically active nitro-alkanes and their isoxazole derivatives. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1276-1280.	1.8	38
22	Structure-Guided Optimization of Estrogen Receptor Binding Affinity and Antagonist Potency of Pyrazolopyrimidines with Basic Side Chains. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 399-403.	2.9	37
23	Enhanced efficiency of recyclable C3-symmetric cinchonine-squaramides in the asymmetric Friedel-Crafts reaction of indoles with alkyl trifluoropyruvate. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1332-1337.	1.8	37
24	Identification and Structure-Activity Relationships of a Novel Series of Estrogen Receptor Ligands Based on 7-Thiabicyclo[2.2.1]hept-2-ene-7-oxide. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2324-2341.	2.9	36
25	Synthesis and SARs of indole-based β -amino acids as potent HIV-1 non-nucleoside reverse transcriptase inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8308-8317.	1.5	36
26	Tunable Bifunctional Phosphine-Squaramide Promoted Morita-Baylis-Hillman Reaction of α -Alkyl Isatins with Acrylates. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2132-2142.	2.1	33
27	Exploring the PROTAC degron candidates: OBHSA with different side chains as novel selective estrogen receptor degraders (SERDs). <i>European Journal of Medicinal Chemistry</i> , 2019, 172, 48-61.	2.6	32
28	Bicyclo[2.2.2]octanes: Close structural mimics of the nuclear receptor-binding motif of steroid receptor coactivators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 4118-4122.	1.0	31
29	Bicyclic core estrogens as full antagonists: synthesis, biological evaluation and structure-activity relationships of estrogen receptor ligands based on bridged oxabicyclic core arylsulfonamides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8692.	1.5	30
30	Identification of dibucaine derivatives as novel potent enterovirus 2C helicase inhibitors: In vitro, in vivo, and combination therapy study. <i>European Journal of Medicinal Chemistry</i> , 2020, 202, 112310.	2.6	29
31	Development of Selective Estrogen Receptor Modulator (SERM)-Like Activity Through an Indirect Mechanism of Estrogen Receptor Antagonism: Defining the Binding Mode of Oxabicyclo[2.2.1]hept-5-ene Scaffold Core Ligands. <i>ChemMedChem</i> , 2012, 7, 1094-1100.	1.6	27
32	Novel Hybrid Conjugates with Dual Suppression of Estrogenic and Inflammatory Activities Display Significantly Improved Potency against Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8155-8173.	2.9	27
33	Fluorine-18 labeling and biodistribution studies on peroxisome proliferator-activated receptor- β ligands: potential positron emission tomography imaging agents. <i>Nuclear Medicine and Biology</i> , 2009, 36, 147-153.	0.3	26
34	Discovery of novel SERMs with a ferrocenyl entity based on the oxabicyclo[2.2.1]heptene scaffold and evaluation of their antiproliferative effects in breast cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9689.	1.5	26
35	A novel HDAC6 inhibitor exerts an anti-cancer effect by triggering cell cycle arrest and apoptosis in gastric cancer. <i>European Journal of Pharmacology</i> , 2018, 828, 67-79.	1.7	26
36	Chiral squaric prolinols: a new type of ligand for the asymmetric reduction of prochiral ketones by borane. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1907-1912.	1.8	25

#	ARTICLE	IF	CITATIONS
37	A novel C3-symmetric prolinol-squaramide catalyst for the asymmetric reduction of ketones by borane. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1640-1643.	1.8	25
38	A simple and straightforward approach toward selective C=C bond reduction by hydrazine. <i>Canadian Journal of Chemistry</i> , 2012, 90, 758-761.	0.6	25
39	Chiral monoaminoalcohols and diaminoalcohols of squaric acid: new catalysts for the asymmetric reduction of ketones by borane. <i>Tetrahedron Letters</i> , 2001, 42, 1107-1110.	0.7	24
40	Design, synthesis and structure of new chiral squaric acid monoaminoalcohols and diaminoalcohols and their use as catalysts in asymmetric reduction of ketones and diketones. <i>Tetrahedron</i> , 2001, 57, 9325-9333.	1.0	24
41	Regioselective and enantioselective synthesis of seven-membered ring cyclic arylguanidine and urea derivatives. <i>Tetrahedron</i> , 2004, 60, 73-79.	1.0	23
42	High-Throughput Screening Assays for Estrogen Receptor by Using Coumestrol, a Natural Fluorescence Compound. <i>Journal of Biomolecular Screening</i> , 2014, 19, 253-258.	2.6	22
43	Dual functional small molecule fluorescent probes for image-guided estrogen receptor-specific targeting coupled potent antiproliferative potency for breast cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3531-3539.	1.4	22
44	Novel bifunctional chiral squaramide-amine catalysts for highly enantioselective addition of mono and diketones to nitroalkenes. <i>Arkivoc</i> , 2011, 2011, 367-380.	0.3	22
45	Chiral Osmium Complexes with Sterically Bulky Schiff-Base Ligands. Crystal Structures of Os(IV) Derivatives and the Reactivity and Catalytic Cyclopropanation of Alkenes with EDA. <i>Inorganic Chemistry</i> , 2005, 44, 3942-3954.	1.9	21
46	Novel Rhodium-Catalyzed Reaction of Thiazolidine Derivatives with Carbodiimides. <i>Chemistry - A European Journal</i> , 2004, 10, 6058-6065.	1.7	20
47	Metal-free direct amidation of peptidyl thiol esters with α -amino acid esters. <i>Green Chemistry</i> , 2011, 13, 2723.	4.6	20
48	An expedient approach to highly enantioenriched cyclic nitrones mediated by robust and recoverable C3-symmetric cinchonine-squaramide catalysts. <i>RSC Advances</i> , 2012, 2, 7501.	1.7	20
49	Triaryl-Substituted Schiff Bases Are High-Affinity Subtype-Selective Ligands for the Estrogen Receptor. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3532-3545.	2.9	20
50	Synthesis and structure-activity relationships of novel hybrid ferrocenyl compounds based on a bicyclic core skeleton for breast cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3062-3074.	1.4	20
51	Halolactones are potent HIV-1 non-nucleoside reverse transcriptase inhibitors. <i>RSC Advances</i> , 2015, 5, 10005-10013.	1.7	19
52	Identification and Structure-Activity Relationships of Diarylhydrazides as Novel Potent and Selective Human Enterovirus Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 2139-2150.	2.9	19
53	Selenophenes: Introducing a New Element into the Core of Non-Steroidal Estrogen Receptor Ligands. <i>ChemMedChem</i> , 2017, 12, 235-249.	1.6	19
54	Enantioselective synthesis of novel pyrano[3,2- <i>c</i>]chromene derivatives as AChE inhibitors via an organocatalytic domino reaction. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 472-479.	1.5	19

#	ARTICLE	IF	CITATIONS
55	Design, synthesis and biological evaluation of novel dual-acting modulators targeting both estrogen receptor $\text{ER}\alpha$ and lysine-specific demethylase 1 (LSD1) for treatment of breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 195, 112281.	2.6	19
56	Gossypol with Hydrophobic Linear Esters Exhibits Enhanced Antitumor Activity as an Inhibitor of Antiapoptotic Proteins. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1185-1190.	1.3	16
57	A high-affinity subtype-selective fluorescent probe for estrogen receptor $\text{ER}\beta$ imaging in living cells. <i>Chemical Communications</i> , 2018, 54, 3887-3890.	2.2	16
58	Curcumin inhibits BACE1 expression through the interaction between $\text{ER}\beta$ and $\text{NF}\kappa\text{B}$ signaling pathway in SH-SY5Y cells. <i>Molecular and Cellular Biochemistry</i> , 2020, 463, 161-173.	1.4	16
59	The novel thioredoxin reductase inhibitor A-Z2 triggers intrinsic apoptosis and shows efficacy in the treatment of acute myeloid leukemia. <i>Free Radical Biology and Medicine</i> , 2020, 146, 275-286.	1.3	16
60	Design, synthesis and biological evaluation of novel estrogen-derived steroid metal complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3793-3797.	1.0	15
61	Estrogen receptor sensing in living cells by a high affinity turn-on fluorescent probe. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 589-597.	4.0	15
62	Discovery of Novel Bicyclic Phenylselenenyl-Containing Hybrids: An Orally Bioavailable, Potential, and Multiacting Class of Estrogen Receptor Modulators against Endocrine-Resistant Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7993-8010.	2.9	15
63	Bromination from the Macroscopic Level to the Tracer Radiochemical Level: ^{76}Br Radiolabeling of Aromatic Compounds via Electrophilic Substitution. <i>Bioconjugate Chemistry</i> , 2009, 20, 808-816.	1.8	14
64	Isocyanides as Influenza A Virus Subtype H5N1 Wild-Type M2 Channel Inhibitors. <i>ChemMedChem</i> , 2015, 10, 1837-1845.	1.6	12
65	Synthesis of N-benzyl-N-phenylthiophene-2-carboxamide analogues as a novel class of enterovirus 71 inhibitors. <i>RSC Advances</i> , 2015, 5, 55100-55108.	1.7	12
66	Furan-carboxamide derivatives as novel inhibitors of lethal H5N1 influenza A viruses. <i>RSC Advances</i> , 2017, 7, 9620-9627.	1.7	12
67	Synthesis and structure-activity relationship study of arylsulfonamides as novel potent H5N1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 206-216.	2.6	12
68	Novel class of 7-Oxabicyclo[2.2.1]heptene sulfonamides with long alkyl chains displaying improved estrogen receptor $\text{ER}\alpha$ degradation activity. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111605.	2.6	12
69	HMDO-Promoted Peptide and Protein Synthesis in Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2013, 78, 7013-7022.	1.7	11
70	A New Pathway for Phthalazine Derivatives via Metal-Free Cyclization of ortho-Alkynylphenyl Ketones and Hydrazine. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1282-1286.	1.4	11
71	Recyclable BINOL-quinine squaramide as a highly efficient organocatalyst for α -amination of 1,3-dicarbonyl compounds and α -cyanoacetates. <i>RSC Advances</i> , 2015, 5, 24392-24398.	1.7	10
72	Rational design and optimization of selenophenes with basic side chains as novel potent selective estrogen receptor modulators (SERMs) for breast cancer therapy. <i>MedChemComm</i> , 2017, 8, 1485-1497.	3.5	10

#	ARTICLE	IF	CITATIONS
73	Discovery of Aryl Benzoyl Hydrazide Derivatives as Novel Potent Broad-Spectrum Inhibitors of Influenza A Virus RNA-Dependent RNA Polymerase (RdRp). <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3814-3832.	2.9	10
74	Oxabicycloheptene Sulfonate Protects Against β -Amyloid-induced Toxicity by Activation of PI3K/Akt and ERK Signaling Pathways Via GPER1 in C6 Cells. <i>Neurochemical Research</i> , 2017, 42, 2246-2256.	1.6	9
75	Design and synthesis of marine sesterterpene analogues as novel estrogen receptor β degraders for breast cancer treatment. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114081.	2.6	9
76	Estrogen receptor β -targeted hypoxia-responsive near-infrared fluorescence probes for prostate cancer study. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114506.	2.6	9
77	One-pot to fused pyrazoles by a double cyclization of o-alkynylaldehydes with ketones and hydrazine under metal-free condition. <i>Tetrahedron</i> , 2014, 70, 3782-3787.	1.0	8
78	Selenophene and thiophene-core estrogen receptor ligands that inhibit motility and development of parasitic stages of <i>Haemonchus contortus</i> . <i>Parasites and Vectors</i> , 2016, 9, 346.	1.0	8
79	One-step pathway to selenoisobenzofuran-1(3 <i>H</i>)-imine derivatives through highly selective selenocyclization of olefinic amides with benzeneselenenyl chloride. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2150-2155.	1.5	8
80	<p>The neuroprotective effect of bisperoxovandium (pyridin-2-squaramide) in intracerebral hemorrhage</p>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1957-1967.	2.0	8
81	Design and synthesis of heteroaromatic-based benzenesulfonamide derivatives as potent inhibitors of H5N1 influenza A virus. <i>MedChemComm</i> , 2019, 10, 89-100.	3.5	8
82	Construction of benzofuranone library via a metal-free, one-pot intermolecular condensation, and their application as efficient estrogen receptor β modulators. <i>Chemical Communications</i> , 2019, 55, 14570-14573.	2.2	8
83	Three-dimensional oxabicycloheptene sulfonate targets the homologous recombination and repair programmes through estrogen receptor β antagonism. <i>Cancer Letters</i> , 2020, 469, 78-88.	3.2	8
84	Estrogen Receptor β -Targeted Near-Infrared Inherently Fluorescent Probe: A Potent Tool for Estrogen Receptor β Research. <i>ACS Sensors</i> , 2022, 7, 109-115.	4.0	8
85	N-Substituted Amides as Chiral Ligands for Catalytic Asymmetric Reactions. <i>Current Organic Chemistry</i> , 2002, 6, 865-890.	0.9	7
86	Rational design of ER β targeting hypoxia turn-on fluorescent probes with antiproliferative activity for breast cancer. <i>Chemical Communications</i> , 2020, 56, 10493-10496.	2.2	6
87	Thiophene Oxidation and Reduction Chemistry. <i>Topics in Heterocyclic Chemistry</i> , 2014, , 227-293.	0.2	5
88	Synthesis and structural features of chiral cyclic squaramides and their application in asymmetric catalytic reaction. <i>Arkivoc</i> , 2011, 2010, 322-335.	0.3	5
89	Establishment of evaluation criteria for the development of high quality ER β -targeted fluorescent probes. <i>Analyst</i> , 2020, 145, 5989-5995.	1.7	4
90	Discovery of aminothiazole derivatives as novel human enterovirus A71 capsid protein inhibitors. <i>Bioorganic Chemistry</i> , 2022, 122, 105683.	2.0	4

#	ARTICLE	IF	CITATIONS
91	Novel hybrid conjugates with dual estrogen receptor $\hat{\pm}$ degradation and histone deacetylase inhibitory activities for breast cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 40, 116185.	1.4	3
92	Identification of a novel binding inhibitor that blocks the interaction between hSCARB2 and VP1 of enterovirus 71. , 2022, 1, 100016.		3
93	The new chiral ligand 3-ethoxy-4-[(1R,2S)-(2-hydroxy-1,2-diphenylethyl)amino]-3-cyclobutene-1,2-dione. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, e57-e57.	0.4	2
94	OBHS impairs the viability of breast cancer via decreasing ER $\hat{\pm}$ and Atg13. <i>Biochemical and Biophysical Research Communications</i> , 2021, 573, 69-75.	1.0	2
95	N-Substituted Amides as Chiral Ligands for Catalytic Asymmetric Reactions. <i>ChemInform</i> , 2003, 34, no.	0.1	0
96	Synthesis of Seven-Membered Ring Diazepin-2-ones via Palladium-Catalyzed Highly Regioselective Cyclization of 2-Vinylpyrrolidines with Aryl Isocyanates.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
97	Regioselective and Enantioselective Synthesis of Seven-Membered Ring Cyclic Arylguanidine and Urea Derivatives.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
98	Estrogen receptor-targeted fluorescent probes and bioapplications. <i>Scientia Sinica Chimica</i> , 2015, 45, 937-948.	0.2	0