Hai-Bing Zhou

List of Publications by Year
in descending order

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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	Design and synthesis of marine sesterterpene analogues as novel estrogen receptor Î± degraders for breast cancer treatment. European Journal of Medicinal Chemistry, 2022, 229, 114081.	2.6	9
2	Identification of a novel binding inhibitor that blocks the interaction between hSCARB2 and VP1 of enterovirus 71. , 2022, 1, 100016.		3
3	Discovery of Aryl Benzoyl Hydrazide Derivatives as Novel Potent Broad-Spectrum Inhibitors of Influenza A Virus RNA-Dependent RNA Polymerase (RdRp). Journal of Medicinal Chemistry, 2022, 65, 3814-3832.	2.9	10
4	Discovery of aminothiazole derivatives as novel human enterovirus A71 capsid protein inhibitors. Bioorganic Chemistry, 2022, 122, 105683.	2.0	4
5	Estrogen Receptor Î²-Targeted Near-Infrared Inherently Fluorescent Probe: A Potent Tool for Estrogen Receptor Î² Research. ACS Sensors, 2022, 7, 109-115.	4.0	8
6	Discovery of Novel Bicyclic Phenylselenyl-Containing Hybrids: An Orally Bioavailable, Potential, and Multiacting Class of Estrogen Receptor Modulators against Endocrine-Resistant Breast Cancer. Journal of Medicinal Chemistry, 2022, 65, 7993-8010.	2.9	15
7	Estrogen receptor Î²-targeted hypoxia-responsive near-infrared fluorescence probes for prostate cancer study. European Journal of Medicinal Chemistry, 2022, 238, 114506.	2.6	9
8	Novel hybrid conjugates with dual estrogen receptor Î± degradation and histone deacetylase inhibitory activities for breast cancer therapy. Bioorganic and Medicinal Chemistry, 2021, 40, 116185.	1.4	3
9	OBHS impairs the viability of breast cancer via decreasing ERÎ± and Atg13. Biochemical and Biophysical Research Communications, 2021, 573, 69-75.	1.0	2
10	Three-dimensional oxabicycloheptene sulfonate targets the homologous recombination and repair programmes through estrogen receptor Î± antagonism. Cancer Letters, 2020, 469, 78-88.	3.2	8
11	Curcumin inhibits BACE1 expression through the interaction between ERÎ² and NFÎºB signaling pathway in SH-SY5Y cells. Molecular and Cellular Biochemistry, 2020, 463, 161-173.	1.4	16
12	The novel thioredoxin reductase inhibitor A-Z2 triggers intrinsic apoptosis and shows efficacy in the treatment of acute myeloid leukemia. Free Radical Biology and Medicine, 2020, 146, 275-286.	1.3	16
13	Rational design of ERÎ± targeting hypoxia turn-on fluorescent probes with antiproliferative activity for breast cancer. Chemical Communications, 2020, 56, 10493-10496.	2.2	6
14	Establishment of evaluation criteria for the development of high quality ERÎ±-targeted fluorescent probes. Analyst, The, 2020, 145, 5989-5995.	1.7	4
15	Identification of dibucaine derivatives as novel potent enterovirus 2C helicase inhibitors: InÂvitro, inÂvivo, and combination therapy study. European Journal of Medicinal Chemistry, 2020, 202, 112310.	2.6	29
16	Design, synthesis and biological evaluation of novel dual-acting modulators targeting both estrogen receptor Î± (ERÎ±) and lysine-specific demethylase 1 (LSD1) for treatment of breast cancer. European Journal of Medicinal Chemistry, 2020, 195, 112281.	2.6	19
17	Novel class of 7-Oxabicyclo[2.2.1]heptene sulfonamides with long alkyl chains displaying improved estrogen receptor Î± degradation activity. European Journal of Medicinal Chemistry, 2019, 182, 111605.	2.6	12
18	The neuroprotective effect of bisperoxovandium (pyridin-2-squaramide) in intracerebral hemorrhage . Drug Design, Development and Therapy, 2019, Volume 13, 1957-1967.	2.0	8

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19	Design and synthesis of heteroaromatic-based benzenesulfonamide derivatives as potent inhibitors of H5N1 influenza A virus. MedChemComm, 2019, 10, 89-100.	3.5	8
20	Exploring the PROTAC degron candidates: OBHSA with different side chains as novel selective estrogen receptor degraders (SERDs). European Journal of Medicinal Chemistry, 2019, 172, 48-61.	2.6	32
21	Construction of benzofuranone library via a metal-free, one-pot intermolecular condensation, and their application as efficient estrogen receptor Î² modulators. Chemical Communications, 2019, 55, 14570-14573.	2.2	8
22	One-step pathway to selenoisobenzofuran-1(3H)-imine derivatives through highly selective selenocyclization of olefinic amides with benzeneselenyl chloride. Organic and Biomolecular Chemistry, 2018, 16, 2150-2155.	1.5	8
23	Enantioselective synthesis of novel pyrano[3,2-c]chromene derivatives as AChE inhibitorsviaan organocatalytic domino reaction. Organic and Biomolecular Chemistry, 2018, 16, 472-479.	1.5	19
24	A novel HDAC6 inhibitor exerts an anti-cancer effect by triggering cell cycle arrest and apoptosis in gastric cancer. European Journal of Pharmacology, 2018, 828, 67-79.	1.7	26
25	A high-affinity subtype-selective fluorescent probe for estrogen receptor Î² imaging in living cells. Chemical Communications, 2018, 54, 3887-3890.	2.2	16
26	Synthesis and structure-activity relationship study of arylsulfonamides as novel potent H5N1 inhibitors. European Journal of Medicinal Chemistry, 2018, 159, 206-216.	2.6	12
27	Novel Hybrid Conjugates with Dual Suppression of Estrogenic and Inflammatory Activities Display Significantly Improved Potency against Breast Cancer. Journal of Medicinal Chemistry, 2018, 61, 8155-8173.	2.9	27
28	Estrogen receptor sensing in living cells by a high affinity turn-on fluorescent probe. Sensors and Actuators B: Chemical, 2018, 272, 589-597.	4.0	15
29	Bisperoxovandium (pyridinâ€2â€squaramide) targets both PTEN and ERK1/2 to confer neuroprotection. British Journal of Pharmacology, 2017, 174, 641-656.	2.7	41
30	Furan-carboxamide derivatives as novel inhibitors of lethal H5N1 influenza A viruses. RSC Advances, 2017, 7, 9620-9627.	1.7	12
31	Dual functional small molecule fluorescent probes for image-guided estrogen receptor-specific targeting coupled potent antiproliferative potency for breast cancer therapy. Bioorganic and Medicinal Chemistry, 2017, 25, 3531-3539.	1.4	22
32	Rational design and optimization of selenophenes with basic side chains as novel potent selective estrogen receptor modulators (SERMs) for breast cancer therapy. MedChemComm, 2017, 8, 1485-1497.	3.5	10
33	Oxabicycloheptene Sulfonate Protects Against Î²-Amyloid-induced Toxicity by Activation of PI3K/Akt and ERK Signaling Pathways Via GPER1 in C6 Cells. Neurochemical Research, 2017, 42, 2246-2256.	1.6	9
34	Selenophenes: Introducing a New Element into the Core of Nonâ€Steroidal Estrogen Receptor Ligands. ChemMedChem, 2017, 12, 235-249.	1.6	19
35	Recent advances in gossypol derivatives and analogs: a chemistry and biology view. Future Medicinal Chemistry, 2017, 9, 1243-1275.	1.1	44
36	Full antagonism of the estrogen receptor without a prototypical ligand side chain. Nature Chemical Biology, 2017, 13, 111-118.	3.9	48

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37	Applications of Chiral Squaramides: From Asymmetric Organocatalysis to Biologically Active Compounds. Chemical Record, 2016, 16, 897-906.	2.9	66
38	Predictive features of ligandâ€specific signaling through the estrogen receptor. Molecular Systems Biology, 2016, 12, 864.	3.2	41
39	Synthesis and structureâ€“activity relationships of novel hybrid ferrocenyl compounds based on a bicyclic core skeleton for breast cancer therapy. Bioorganic and Medicinal Chemistry, 2016, 24, 3062-3074.	1.4	20
40	Selenophene and thiophene-core estrogen receptor ligands that inhibit motility and development of parasitic stages of Haemonchus contortus. Parasites and Vectors, 2016, 9, 346.	1.0	8
41	Gossypol with Hydrophobic Linear Esters Exhibits Enhanced Antitumor Activity as an Inhibitor of Antiapoptotic Proteins. ACS Medicinal Chemistry Letters, 2016, 7, 1185-1190.	1.3	16
42	Identification and Structureâ€“Activity Relationships of Diarylhydrazides as Novel Potent and Selective Human Enterovirus Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 2139-2150.	2.9	19
43	Tunable Bifunctional Phosphineâ€“Squaramide Promoted Moritaâ€“Baylisâ€“Hillman Reaction of Nâ€Alkyl Isatins with Acrylates. Advanced Synthesis and Catalysis, 2015, 357, 2132-2142.	2.1	33
44	Isocyanides as Influenzaâ€…A Virus Subtype H5N1 Wildâ€Type M2 Channel Inhibitors. ChemMedChem, 2015, 10, 1837-1845.	1.6	12
45	Novel Bioactive Hybrid Compound Dual Targeting Estrogen Receptor and Histone Deacetylase for the Treatment of Breast Cancer. Journal of Medicinal Chemistry, 2015, 58, 4550-4572.	2.9	94
46	Recyclable BINOLâ€“quinineâ€“squaramide as a highly efficient organocatalyst for Î±-amination of 1,3-dicarbonyl compounds and Î±-cyanoacetates. RSC Advances, 2015, 5, 24392-24398.	1.7	10
47	Synthesis of N-benzyl-N-phenylthiophene-2-carboxamide analogues as a novel class of enterovirus 71 inhibitors. RSC Advances, 2015, 5, 55100-55108.	1.7	12
48	Halolactones are potent HIV-1 non-nucleoside reverse transcriptase inhibitors. RSC Advances, 2015, 5, 10005-10013.	1.7	19
49	Estrogen receptor-targeted fluorescent probes and bioapplications. Scientia Sinica Chimica, 2015, 45, 937-948.	0.2	0
50	High-Throughput Screening Assays for Estrogen Receptor by Using Coumestrol, a Natural Fluorescence Compound. Journal of Biomolecular Screening, 2014, 19, 253-258.	2.6	22
51	C₃â€Symmetric Cinchonineâ€Squaramideâ€Catalyzed Asymmetric Chlorolactonization of Styreneâ€Type Carboxylic Acids with 1,3â€Dichloroâ€5,5â€dimethylhydantoin: An Efficient Method to Chiral Isochromanâ€1â€ones. Advanced Synthesis and Catalysis, 2014, 356, 1275-1280.	2.1	66
52	One-pot to fused pyrazoles by a double cyclization of o-alkynylaldehydes with ketones and hydrazine under metal-free condition. Tetrahedron, 2014, 70, 3782-3787.	1.0	8
53	Thiophene Oxidation and Reduction Chemistry. Topics in Heterocyclic Chemistry, 2014, , 227-293.	0.2	5
54	A New Pathway for Phthalazine Derivatives via Metalâ€Free Cyclization of orthoâ€Alkynylphenyl Ketones and Hydrazine. Journal of Heterocyclic Chemistry, 2014, 51, 1282-1286.	1.4	11

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55	Triaryl-Substituted Schiff Bases Are High-Affinity Subtype-Selective Ligands for the Estrogen Receptor. Journal of Medicinal Chemistry, 2014, 57, 3532-3545.	2.9	20
56	Synthesis and SARs of indole-based Î±-amino acids as potent HIV-1 non-nucleoside reverse transcriptase inhibitors. Organic and Biomolecular Chemistry, 2014, 12, 8308-8317.	1.5	36
57	HMDO-Promoted Peptide and Protein Synthesis in Ionic Liquids. Journal of Organic Chemistry, 2013, 78, 7013-7022.	1.7	11
58	Enantioselective inhibition of reverse transcriptase (RT) of HIV-1 by non-racemic indole-based trifluoropropanoates developed by asymmetric catalysis using recyclable organocatalysts. Organic and Biomolecular Chemistry, 2013, 11, 8463.	1.5	46
59	Highly enantioselective Michael addition of 1,3-dicarbonyl compounds to nitroalkenes catalyzed by designer chiral BINOLâ€“quinineâ€“squaramide: efficient access to optically active nitro-alkanes and their isoxazole derivatives. Tetrahedron: Asymmetry, 2013, 24, 1276-1280.	1.8	38
60	Thiophene-Core Estrogen Receptor Ligands Having Superagonist Activity. Journal of Medicinal Chemistry, 2013, 56, 3346-3366.	2.9	52
61	Design, synthesis and biological evaluation of novel estrogen-derived steroid metal complexes. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3793-3797.	1.0	15
62	Chiral squaramide as multiple H-bond donor organocatalysts for the asymmetric Michael addition of 1,3-dicarbonyl compounds to nitroolefins. Tetrahedron: Asymmetry, 2012, 23, 1550-1556.	1.8	39
63	Bicyclic core estrogens as full antagonists: synthesis, biological evaluation and structureâ€“activity relationships of estrogen receptor ligands based on bridged oxabicyclic core arylsulfonamides. Organic and Biomolecular Chemistry, 2012, 10, 8692.	1.5	30
64	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. Organic and Biomolecular Chemistry, 2012, 10, 9689.	1.5	26
65	Identification and Structureâ€“Activity Relationships of a Novel Series of Estrogen Receptor Ligands Based on 7-Thiabicyclo[2.2.1]hept-2-ene-7-oxide. Journal of Medicinal Chemistry, 2012, 55, 2324-2341.	2.9	36
66	A simple and straightforward approach toward selective C=C bond reduction by hydrazine. Canadian Journal of Chemistry, 2012, 90, 758-761.	0.6	25
67	Enhanced efficiency of recyclable C3-symmetric cinchonine-squaramides in the asymmetric Friedelâ€“Crafts reaction of indoles with alkyl trifluoropyruvate. Tetrahedron: Asymmetry, 2012, 23, 1332-1337.	1.8	37
68	An expedient approach to highly enantioenriched cyclic nitrones mediated by robust and recoverable C3-symmetric cinchonine-squaramide catalysts. RSC Advances, 2012, 2, 7501.	1.7	20
69	Development of Selective Estrogen Receptor Modulator (SERM)â€Like Activity Through an Indirect Mechanism of Estrogen Receptor Antagonism: Defining the Binding Mode of 7â€Oxabicyclo[2.2.1]heptâ€5â€ene Scaffold Core Ligands. ChemMedChem, 2012, 7, 1094-1100.	1.6	27
70	Metal-free direct amidation of peptidyl thiol esters with Î±-amino acid esters. Green Chemistry, 2011, 13, 2723.	4.6	20
71	A novel C3-symmetric prolinol-squaramide catalyst for the asymmetric reduction of ketones by borane. Tetrahedron: Asymmetry, 2011, 22, 1640-1643.	1.8	25
72	C₃â€Symmetrical Cinchonineâ€Squaramide as New Highly Efficient, and Recyclable Organocatalyst for Enantioselective Michael Addition. Advanced Synthesis and Catalysis, 2011, 353, 2715-2720.	2.1	82

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73	Synthesis and structural features of chiral cyclic squaramides and their application in asymmetric catalytic reaction. Arkivoc, 2011, 2010, 322-335.	0.3	5
74	Novel bifunctional chiral squaramide-amine catalysts for highly enantioselective addition of mono and diketones to nitroalkenes. Arkivoc, 2011, 2011, 367-380.	0.3	22
75	Highly diastereoselective synthesis of quaternary Î±-trifluoromethyl Î±-amino acids from chiral imines of trifluoropyruvate. Chemical Communications, 2010, 46, 8029.	2.2	42
76	Imaging Progesterone Receptor in Breast Tumors: Synthesis and Receptor Binding Affinity of Fluoroalkyl-Substituted Analogues of Tanaproget. Journal of Medicinal Chemistry, 2010, 53, 3349-3360.	2.9	39
77	Development of [F-18]Fluorine-Substituted Tanaproget as a Progesterone Receptor Imaging Agent for Positron Emission Tomography. Bioconjugate Chemistry, 2010, 21, 1096-1104.	1.8	42
78	Analogs of methyl-piperidinopyrazole (MPP): Antiestrogens with estrogen receptor Î± selective activity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 108-110.	1.0	46
79	Bromination from the Macroscopic Level to the Tracer Radiochemical Level:76Br Radiolabeling of Aromatic Compounds via Electrophilic Substitution. Bioconjugate Chemistry, 2009, 20, 808-816.	1.8	14
80	Fluorine-18 labeling and biodistribution studies on peroxisome proliferator-activated receptor-Î³ ligands: potential positron emission tomography imaging agents. Nuclear Medicine and Biology, 2009, 36, 147-153.	0.3	26
81	NFÎºB selectivity of estrogen receptor ligands revealed by comparative crystallographic analyses. Nature Chemical Biology, 2008, 4, 241-247.	3.9	149
82	Structure-Guided Optimization of Estrogen Receptor Binding Affinity and Antagonist Potency of Pyrazolopyrimidines with Basic Side Chains. Journal of Medicinal Chemistry, 2007, 50, 399-403.	2.9	37
83	Bicyclo[2.2.2]octanes: Close structural mimics of the nuclear receptor-binding motif of steroid receptor coactivators. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4118-4122.	1.0	31
84	Elemental Isomerism: A Boron-Nitrogen Surrogate for a Carbon-Carbon Double Bond Increases the Chemical Diversity of Estrogen Receptor Ligands. Chemistry and Biology, 2007, 14, 659-669.	6.2	66
85	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. Inorganic Chemistry, 2005, 44, 3942-3954.	1.9	21
86	Synthesis and Evaluation of Estrogen Receptor Ligands with Bridged Oxabicyclic Cores Containing a Diarylethylene Motif:â€‰ Estrogen Antagonists of Unusual Structure. Journal of Medicinal Chemistry, 2005, 48, 7261-7274.	2.9	64
87	Regioselective and Enantioselective Synthesis of Seven-Membered Ring Cyclic Arylguanidine and Urea Derivatives.. ChemInform, 2004, 35, no.	0.1	0
88	Novel Rhodium-Catalyzed Reaction of Thiazolidine Derivatives with Carbodiimides. Chemistry - A European Journal, 2004, 10, 6058-6065.	1.7	20
89	Regioselective and enantioselective synthesis of seven-membered ring cyclic arylguanidine and urea derivatives. Tetrahedron, 2004, 60, 73-79.	1.0	23
90	N-Substituted Amides as Chiral Ligands for Catalytic Asymmetric Reactions. ChemInform, 2003, 34, no.	0.1	0

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91	Synthesis of Seven-Membered Ring Diazepin-2-ones via Palladium-Catalyzed Highly Regioselective Cyclization of 2-Vinylpyrrolidines with Aryl Isocyanates.. ChemInform, 2003, 34, no.	0.1	0
92	Synthesis of Seven-Membered Ring Diazepin-2-ones via Palladium-Catalyzed Highly Regioselective Cyclization of 2-Vinylpyrrolidines with Aryl Isocyanates. Journal of Organic Chemistry, 2003, 68, 3439-3445.	1.7	38
93	Dendritic Ruthenium Porphyrins: A New Class of Highly Selective Catalysts for Alkene Epoxidation and Cyclopropanation. Chemistry - A European Journal, 2002, 8, 1554-1562.	1.7	64
94	N-Substituted Amides as Chiral Ligands for Catalytic Asymmetric Reactions. Current Organic Chemistry, 2002, 6, 865-890.	0.9	7
95	Chiral monoaminoalcohols and diaminoalcohols of squaric acid: new catalysts for the asymmetric reduction of ketones by borane. Tetrahedron Letters, 2001, 42, 1107-1110.	0.7	24
96	Chiral squaric prolinols: a new type of ligand for the asymmetric reduction of prochiral ketones by borane. Tetrahedron: Asymmetry, 2001, 12, 1907-1912.	1.8	25
97	Design, synthesis and structure of new chiral squaric acid monoaminoalcohols and diaminoalcohols and their use as catalysts in asymmetric reduction of ketones and diketones. Tetrahedron, 2001, 57, 9325-9333.	1.0	24
98	The new chiral ligand 3-ethoxy-4-[(1R,2S)-(2-hydroxy-1,2-diphenylethyl)amino]-3-cyclobutene-1,2-dione. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, e57-e57.	0.4	2