

Dalibor Sames

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

6,796
citations

117625

34
h-index

133252

59
g-index

69
all docs

69
docs citations

69
times ranked

7096
citing authors

#	ARTICLE	IF	CITATIONS
1	Iboga Inspired N-Indolyethyl-Substituted Isoquinuclidines as a Bioactive Scaffold: Chemoenzymatic Synthesis and Characterization as GDNF Releasers and Antitrypanosoma Agents. <i>Molecules</i> , 2022, 27, 829.	3.8	2
2	Chemical Targeting of Rhodol Voltage-Sensitive Dyes to Dopaminergic Neurons. <i>ACS Chemical Neuroscience</i> , 2022, 13, 1251-1262.	3.5	0
3	Site selective C ¹⁴ H functionalization of Mitragyna alkaloids reveals a molecular switch for tuning opioid receptor signaling efficacy. <i>Nature Communications</i> , 2021, 12, 3858.	12.8	25
4	A Novel Mitragynine Analog with Low-Efficacy Mu Opioid Receptor Agonism Displays Antinociception with Attenuated Adverse Effects. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13873-13892.	6.4	33
5	Oxidative Metabolism as a Modulator of Kratom's Biological Actions. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 16553-16572.	6.4	26
6	Development of a Dual Fluorescent and Magnetic Resonance False Neurotransmitter That Reports Accumulation and Release from Dopaminergic Synaptic Vesicles. <i>ACS Chemical Neuroscience</i> , 2021, , .	3.5	3
7	Chemical Targeting of Voltage Sensitive Dyes to Specific Cells and Molecules in the Brain. <i>Journal of the American Chemical Society</i> , 2020, 142, 9285-9301.	13.7	17
8	A Single Administration of the Atypical Psychedelic Ibogaine or Its Metabolite Noribogaine Induces an Antidepressant-Like Effect in Rats. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1661-1672.	3.5	25
9	7-Hydroxymitragynine Is an Active Metabolite of Mitragynine and a Key Mediator of Its Analgesic Effects. <i>ACS Central Science</i> , 2019, 5, 992-1001.	11.3	120
10	Ibogaine Administration Modifies GDNF and BDNF Expression in Brain Regions Involved in Mesocorticolimbic and Nigral Dopaminergic Circuits. <i>Frontiers in Pharmacology</i> , 2019, 10, 193.	3.5	35
11	FLUORESCENT FALSE NEUROTRANSMITTERS. , 2019, , 33-48.		0
12	Toward Serotonin Fluorescent False Neurotransmitters: Development of Fluorescent Dual Serotonin and Vesicular Monoamine Transporter Substrates for Visualizing Serotonin Neurons. <i>ACS Chemical Neuroscience</i> , 2018, 9, 925-934.	3.5	25
13	Identification of Fluorescent Small Molecule Compounds for Synaptic Labeling by Image-Based, High-Content Screening. <i>ACS Chemical Neuroscience</i> , 2018, 9, 673-683.	3.5	5
14	Designing a norepinephrine optical tracer for imaging individual noradrenergic synapses and their activity in vivo. <i>Nature Communications</i> , 2018, 9, 2838.	12.8	42
15	Evoked transients of pH-sensitive fluorescent false neurotransmitter reveal dopamine hot spots in the globus pallidus. <i>ELife</i> , 2018, 7, .	6.0	12
16	The Behavioral Effects of the Antidepressant Tianeptine Require the Mu-Opioid Receptor. <i>Neuropsychopharmacology</i> , 2017, 42, 2052-2063.	5.4	240
17	Multiplex quantitative assays indicate a need for reevaluating reported small-molecule TrkB agonists. <i>Science Signaling</i> , 2017, 10, .	3.6	65
18	Neuronal Depolarization Drives Increased Dopamine Synaptic Vesicle Loading via VGLUT. <i>Neuron</i> , 2017, 95, 1074-1088.e7.	8.1	69

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19	Die Erschließung von Wirkstoffmetaboliten durch $\frac{1}{4}$ bergangsmetallkatalysierte C-H-Oxidation: die Leber als Inspiration für die Synthese. <i>Angewandte Chemie</i> , 2016, 128, 14430-14451.	2.0	23
20	Synthetic and Receptor Signaling Explorations of the <i>Mitragyna</i> Alkaloids: Mitragynine as an Atypical Molecular Framework for Opioid Receptor Modulators. <i>Journal of the American Chemical Society</i> , 2016, 138, 6754-6764.	13.7	233
21	Accessing Drug Metabolites via Transition-Metal Catalyzed C-H Oxidation: The Liver as Synthetic Inspiration. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14218-14238.	13.8	94
22	Mechanisms of amphetamine action illuminated through optical monitoring of dopamine synaptic vesicles in <i>Drosophila</i> brain. <i>Nature Communications</i> , 2016, 7, 10652.	12.8	97
23	Fluorescent false neurotransmitter reveals functionally silent dopamine vesicle clusters in the striatum. <i>Nature Neuroscience</i> , 2016, 19, 578-586.	14.8	122
24	Deconstructing the <i>iboga</i> Alkaloid Skeleton: Potentiation of FGF2-induced Glial Cell Line-Derived Neurotrophic Factor Release by a Novel Compound. <i>ACS Chemical Biology</i> , 2016, 11, 77-87.	3.4	19
25	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie</i> , 2015, 127, 2472-2476.	2.0	12
26	Constructing <i>iboga</i> Alkaloids via C-H Bond Functionalization: Examination of the Direct and Catalytic Union of Heteroarenes and Isoquinuclidine Alkenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 2062-2071.	3.2	42
27	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2442-2446.	13.8	73
28	Synaptic optical imaging platforms: Examining pharmacological modulation of neurotransmitter release at discrete synapses. <i>Neuropharmacology</i> , 2015, 98, 90-94.	4.1	10
29	Paradoxical Abatement of Striatal Dopaminergic Transmission by Cocaine and Methylphenidate. <i>Journal of Biological Chemistry</i> , 2014, 289, 264-274.	3.4	27
30	New Fluorescent Substrate Enables Quantitative and High-Throughput Examination of Vesicular Monoamine Transporter 2 (VMAT2). <i>ACS Chemical Biology</i> , 2013, 8, 1947-1954.	3.4	52
31	Fluorescent dopamine tracer resolves individual dopaminergic synapses and their activity in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 870-875.	7.1	91
32	Visualizing Neurotransmitter Secretion at Individual Synapses. <i>ACS Chemical Neuroscience</i> , 2013, 4, 648-651.	3.5	32
33	APP+, a Fluorescent Analogue of the Neurotoxin MPP+, Is a Marker of Catecholamine Neurons in Brain Tissue, but Not a Fluorescent False Neurotransmitter. <i>ACS Chemical Neuroscience</i> , 2013, 4, 858-869.	3.5	29
34	Catalytic Coupling of Arene C-H Bonds and Alkynes for the Synthesis of Coumarins: Substrate Scope and Application to the Development of Neuroimaging Agents. <i>Journal of Organic Chemistry</i> , 2012, 77, 7804-7814.	3.2	69
35	C-H Arylation of Pyridines: High Regioselectivity as a Consequence of the Electronic Character of C-H Bonds and Heteroarene Ring. <i>Journal of the American Chemical Society</i> , 2011, 133, 16338-16341.	13.7	140
36	Development of pH-Responsive Fluorescent False Neurotransmitters. <i>Journal of the American Chemical Society</i> , 2010, 132, 8828-8830.	13.7	127

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37	Fluorescent False Neurotransmitters Visualize Dopamine Release from Individual Presynaptic Terminals. <i>Science</i> , 2009, 324, 1441-1444.	12.6	184
38	C α -H Bonds as Ubiquitous Functionality: A General Approach to Complex Arylated Pyrazoles via Sequential Regioselective C-Arylation and N-Alkylation Enabled by SEM-Group Transposition. <i>Journal of the American Chemical Society</i> , 2009, 131, 3042-3048.	13.7	184
39	Dopamine Release at Individual Presynaptic Terminals Visualized with FFNs. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	7
40	A Luminescent Sensor for Tyrosine Phosphorylation. <i>Organic Letters</i> , 2008, 10, 5-8.	4.6	59
41	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. <i>Physical Review A</i> , 2008, 77, .	2.5	10
42	Harnessing Functional Plasticity of Enzymes: A Fluorogenic Probe for Imaging 17 β -HSD10 Dehydrogenase, an Enzyme Involved in Alzheimer's and Parkinson's Diseases. <i>Journal of the American Chemical Society</i> , 2007, 129, 14518-14522.	13.7	44
43	Transposing Molecular Fluorescent Switches into the Near-IR: Development of Luminogenic Reporter Substrates for Redox Metabolism. <i>Journal of the American Chemical Society</i> , 2007, 129, 7704-7705.	13.7	72
44	Cocktails of Tb ³⁺ and Eu ³⁺ Complexes: A General Platform for the Design of Ratiometric Optical Probes. <i>Journal of the American Chemical Society</i> , 2007, 129, 7570-7577.	13.7	171
45	sp ³ C α -H Bond Arylation Directed by Amidine Protecting Group: β -Arylation of Pyrrolidines and Piperidines. <i>Journal of the American Chemical Society</i> , 2006, 128, 14220-14221.	13.7	298
46	Synthesis of luminescent heterometallic bis-lanthanide complexes via selective, sequential metallation. <i>Chemical Communications</i> , 2006, , 4116.	4.1	55
47	Phosphorylation State-Responsive Lanthanide Peptide Conjugates: A Luminescence Switch Based on Reversible Complex Reorganization. <i>Organic Letters</i> , 2006, 8, 2723-2726.	4.6	48
48	C-H Bond Functionalization in Complex Organic Synthesis. <i>Science</i> , 2006, 312, 67-72.	12.6	2,007
49	Fluoromorphic Substrates for Fatty Acid Metabolism: Highly Sensitive Probes for Mammalian Medium-Chain Acyl-CoA Dehydrogenase. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 637-642.	13.8	12
50	Fluorogenic metabolic probes for direct activity readout of redox enzymes: Selective measurement of human AKR1C2 in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13304-13309.	7.1	40
51	Design of Optical Switches as Metabolic Indicators: New Fluorogenic Probes for Monoamine Oxidases (MAO A and B). <i>Journal of the American Chemical Society</i> , 2005, 127, 4544-4545.	13.7	101
52	Direct Palladium-Catalyzed C-2 and C-3 Arylation of Indoles: A Mechanistic Rationale for Regioselectivity. <i>Journal of the American Chemical Society</i> , 2005, 127, 8050-8057.	13.7	617
53	Direct C-Arylation of Free (NH)-Indoles and Pyrroles Catalyzed by Ar ⁺ Rh(III) Complexes Assembled In Situ. <i>Journal of the American Chemical Society</i> , 2005, 127, 4996-4997.	13.7	321
54	New Tools for Molecular Imaging of Redox Metabolism: Development of a Fluorogenic Probe for 3 β -Hydroxysteroid Dehydrogenases. <i>Journal of the American Chemical Society</i> , 2004, 126, 2282-2283.	13.7	81

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55	Câ€”H Bond Functionalization in Complex Organic Synthesis. ACS Symposium Series, 2004, , 155-168.	0.5	2
56	Selective Functionalization of Amino Acids in Water: A Synthetic Method via Catalytic Câ€”H Bond Activation. Journal of the American Chemical Society, 2001, 123, 8149-8150.	13.7	208
57	Highly Regioselective Oxygenation of Câ€”H Bonds: Diamidomanganese Constructs with Attached Substrates as Catalyst Models. Angewandte Chemie - International Edition, 2000, 39, 1618-1621.	13.8	25
58	Câ€”H Bond Activation of Hydrocarbon Segments in Complex Organic Molecules:Â Total Synthesis of the Antimitotic Rhazinilam. Journal of the American Chemical Society, 2000, 122, 6321-6322.	13.7	144
59	Probing Cell Surface â€œGlyco-Architectureâ€ through Total Synthesis. Immunological Consequences of a Human Blood Group Determinant in a Clustered Mucin-like Context. Journal of the American Chemical Society, 1999, 121, 10636-10637.	13.7	35
60	Evolution and Study of Polymer-Supported Metal Catalysts for Oxygen Atom Transfer:Â Oxidation of Alkanes and Alkenes by Diamide Manganese Complexes. Journal of the American Chemical Society, 1999, 121, 8965-8966.	13.7	27