

Dalibor Sames

List of Publications by Year in descending order

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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	C-H Bond Functionalization in Complex Organic Synthesis. <i>Science</i> , 2006, 312, 67-72.	12.6	2,007
2	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
3	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
4	sp ³ C-H Bond Arylation Directed by Amidine Protecting Group: \pm -Arylation of Pyrrolidines and Piperidines. <i>Journal of the American Chemical Society</i> , 2006, 128, 14220-14221.	13.7	298
5	The Behavioral Effects of the Antidepressant Tianeptine Require the Mu-Opioid Receptor. <i>Neuropsychopharmacology</i> , 2017, 42, 2052-2063.	5.4	240
6	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
7	Selective Functionalization of Amino Acids in Water: A Synthetic Method via Catalytic C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2001, 123, 8149-8150.	13.7	208
8	Fluorescent False Neurotransmitters Visualize Dopamine Release from Individual Presynaptic Terminals. <i>Science</i> , 2009, 324, 1441-1444.	12.6	184
9	C-H Bonds as Ubiquitous Functionality: A General Approach to Complex Arylated Pyrazoles via Sequential Regioselective <i>C</i> -Arylation and <i>N</i> -Alkylation Enabled by SEM-Group Transposition. <i>Journal of the American Chemical Society</i> , 2009, 131, 3042-3048.	13.7	184
10	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
11	C-H Bond Activation of Hydrocarbon Segments in Complex Organic Molecules: Total Synthesis of the Antimitotic Rhazinilam. <i>Journal of the American Chemical Society</i> , 2000, 122, 6321-6322.	13.7	144
12	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
13	Development of pH-Responsive Fluorescent False Neurotransmitters. <i>Journal of the American Chemical Society</i> , 2010, 132, 8828-8830.	13.7	127
14	Fluorescent false neurotransmitter reveals functionally silent dopamine vesicle clusters in the striatum. <i>Nature Neuroscience</i> , 2016, 19, 578-586.	14.8	122
15	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
16	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
17	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
18	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

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19	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
20	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
21	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2442-2446.	13.8	73
22	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
23	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
24	Neuronal Depolarization Drives Increased Dopamine Synaptic Vesicle Loading via VGLUT. <i>Neuron</i> , 2017, 95, 1074-1088.e7.	8.1	69
25	Multiplex quantitative assays indicate a need for reevaluating reported small-molecule TrkB agonists. <i>Science Signaling</i> , 2017, 10, .	3.6	65
26	A Luminescent Sensor for Tyrosine Phosphorylation. <i>Organic Letters</i> , 2008, 10, 5-8.	4.6	59
27	Synthesis of luminescent heterometallic bis-lanthanide complexes via selective, sequential metallation. <i>Chemical Communications</i> , 2006, , 4116.	4.1	55
28	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
29	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
30	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
31	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
32	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
33	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
34	Probing Cell Surface Glyco-Architecture through Total Synthesis. Immunological Consequences of a Human Blood Group Determinant in a Clustered Mucin-like Context. <i>Journal of the American Chemical Society</i> , 1999, 121, 10636-10637.	13.7	35
35	Ibogaïne 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
36	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

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37	Visualizing Neurotransmitter Secretion at Individual Synapses. ACS Chemical Neuroscience, 2013, 4, 648-651.	3.5	32
38	APP+, a Fluorescent Analogue of the Neurotoxin MPP+, Is a Marker of Catecholamine Neurons in Brain Tissue, but Not a Fluorescent False Neurotransmitter. ACS Chemical Neuroscience, 2013, 4, 858-869.	3.5	29
39	Evolution and Study of Polymer-Supported Metal Catalysts for Oxygen Atom Transfer: Oxidation of Alkanes and Alkenes by Diamide Manganese Complexes. Journal of the American Chemical Society, 1999, 121, 8965-8966.	13.7	27
40	Paradoxical Abatement of Striatal Dopaminergic Transmission by Cocaine and Methylphenidate. Journal of Biological Chemistry, 2014, 289, 264-274.	3.4	27
41	Oxidative Metabolism as a Modulator of Kratom's Biological Actions. Journal of Medicinal Chemistry, 2021, 64, 16553-16572.	6.4	26
42	Highly Regioselective Oxygenation of C-H Bonds: Diamidomanganese Constructs with Attached Substrates as Catalyst Models. Angewandte Chemie - International Edition, 2000, 39, 1618-1621.	13.8	25
43	Toward Serotonin Fluorescent False Neurotransmitters: Development of Fluorescent Dual Serotonin and Vesicular Monoamine Transporter Substrates for Visualizing Serotonin Neurons. ACS Chemical Neuroscience, 2018, 9, 925-934.	3.5	25
44	A Single Administration of the Atypical Psychedelic Ibogaine or Its Metabolite Noribogaine Induces an Antidepressant-Like Effect in Rats. ACS Chemical Neuroscience, 2020, 11, 1661-1672.	3.5	25
45	Site selective C-H functionalization of Mitragyna alkaloids reveals a molecular switch for tuning opioid receptor signaling efficacy. Nature Communications, 2021, 12, 3858.	12.8	25
46	Die Erschließung von Wirkstoffmetaboliten durch Übergangsmetallkatalysierte C-H-Oxidation: die Leber als Inspiration für die Synthese. Angewandte Chemie, 2016, 128, 14430-14451.	2.0	23
47	Deconstructing the Ibogaine Alkaloid Skeleton: Potentiation of FGF2-induced Glial Cell Line-Derived Neurotrophic Factor Release by a Novel Compound. ACS Chemical Biology, 2016, 11, 77-87.	3.4	19
48	Chemical Targeting of Voltage Sensitive Dyes to Specific Cells and Molecules in the Brain. Journal of the American Chemical Society, 2020, 142, 9285-9301.	13.7	17
49	Fluoromorphic Substrates for Fatty Acid Metabolism: Highly Sensitive Probes for Mammalian Medium-Chain Acyl-CoA Dehydrogenase. Angewandte Chemie - International Edition, 2006, 45, 637-642.	13.8	12
50	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie, 2015, 127, 2472-2476.	2.0	12
51	Evoked transients of pH-sensitive fluorescent false neurotransmitter reveal dopamine hot spots in the globus pallidus. ELife, 2018, 7, .	6.0	12
52	Dynamic properties and optical phase conjugation of two-photon pumped ultrashort blue stimulated emission in a chromophore solution. Physical Review A, 2008, 77, .	2.5	10
53	Synaptic optical imaging platforms: Examining pharmacological modulation of neurotransmitter release at discrete synapses. Neuropharmacology, 2015, 98, 90-94.	4.1	10
54	Dopamine Release at Individual Presynaptic Terminals Visualized with FFNs. Journal of Visualized Experiments, 2009, .	0.3	7

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55	Identification of Fluorescent Small Molecule Compounds for Synaptic Labeling by Image-Based, High-Content Screening. ACS Chemical Neuroscience, 2018, 9, 673-683.	3.5	5
56	Development of a Dual Fluorescent and Magnetic Resonance False Neurotransmitter That Reports Accumulation and Release from Dopaminergic Synaptic Vesicles. ACS Chemical Neuroscience, 2021, , .	3.5	3
57	Câ€”H Bond Functionalization in Complex Organic Synthesis. ACS Symposium Series, 2004, , 155-168.	0.5	2
58	lboga Inspired N-Indolyethyl-Substituted Isoquinuclidines as a Bioactive Scaffold: Chemoenzymatic Synthesis and Characterization as GDNF Releasers and Antitrypanosoma Agents. Molecules, 2022, 27, 829.	3.8	2
59	FLUORESCENT FALSE NEUROTRANSMITTERS. , 2019, , 33-48.		0
60	Chemical Targeting of Rhodol Voltage-Sensitive Dyes to Dopaminergic Neurons. ACS Chemical Neuroscience, 2022, 13, 1251-1262.	3.5	0