

Jun-Profâ€™dr Nadja A Simeth

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,070
citations

567247

15
h-index

610883

24
g-index

29
all docs

29
docs citations

29
times ranked

961
citing authors

#	ARTICLE	IF	CITATIONS
1	Heteroaryl azo dyes as molecular photoswitches. <i>Nature Reviews Chemistry</i> , 2019, 3, 133-146.	30.2	356
2	Molecular photoswitches in aqueous environments. <i>Chemical Society Reviews</i> , 2021, 50, 12377-12449.	38.1	170
3	Tuning the Thermal Isomerization of Phenylazoindole Photoswitches from Days to Nanoseconds. <i>Journal of the American Chemical Society</i> , 2018, 140, 2940-2946.	13.7	92
4	General Principles for the Design of Visible-Light-Responsive Photoswitches: Tetra <i>ortho</i> -Chloro-Azobenzenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21663-21670.	13.8	80
5	Directing Coupled Motion with Light: A Key Step Toward Machine-Like Function. <i>Chemical Reviews</i> , 2021, 121, 13213-13237.	47.7	53
6	Unraveling the Thermal Isomerization Mechanisms of Heteroaryl Azoswitches: Phenylazoindoles as Case Study. <i>Journal of Physical Chemistry A</i> , 2019, 123, 1814-1823.	2.5	30
7	Photochromic coenzyme Q derivatives: switching redox potentials with light. <i>Chemical Science</i> , 2017, 8, 6474-6483.	7.4	27
8	General Principles for the Design of Visible-Light-Responsive Photoswitches: Tetra <i>ortho</i> -Chloro-Azobenzenes. <i>Angewandte Chemie</i> , 2020, 132, 21847-21854.	2.0	26
9	Light Regulation of Enzyme Allostery through Photo-responsive Unnatural Amino Acids. <i>Cell Chemical Biology</i> , 2019, 26, 1501-1514.e9.	5.2	25
10	Ultrafast Photoclick Reaction for Selective ¹⁸ F-Positron Emission Tomography Tracer Synthesis in Flow. <i>Journal of the American Chemical Society</i> , 2021, 143, 10041-10047.	13.7	22
11	Substituent Effects on 3-Arylazoindole Photoswitches. <i>Journal of Organic Chemistry</i> , 2019, 84, 6565-6575.	3.2	21
12	Rational design of a photoswitchable DNA glue enabling high regulatory function and supramolecular chirality transfer. <i>Chemical Science</i> , 2021, 12, 9207-9220.	7.4	21
13	Phenylimino Indolinone: A Green-Light-Responsive Type Photoswitch Exhibiting Negative Photochromism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25290-25295.	13.8	21
14	Artificial Light Regulation of an Allosteric Bienenzyme Complex by a Photosensitive Ligand. <i>ChemBioChem</i> , 2018, 19, 1750-1757.	2.6	19
15	Photochromic Indolyl Fulgimides as Chromo-pharmacophores Targeting Sirtuins. <i>Journal of Organic Chemistry</i> , 2018, 83, 7919-7927.	3.2	17
16	On the use of diarylmaleimide derivatives in biological contexts: An investigation of the photochromic properties in aqueous solution. <i>Dyes and Pigments</i> , 2017, 137, 410-420.	3.7	15
17	Significance of the Protein Interface Configuration for Allostery in Imidazole Glycerol Phosphate Synthase. <i>Biochemistry</i> , 2020, 59, 2729-2742.	2.5	15
18	Comparative Study of Photoswitchable Zinc-Finger Domain and AT-Hook Motif for Light-Controlled Peptide-DNA Binding. <i>Chemistry - A European Journal</i> , 2019, 25, 4965-4973.	3.3	12

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19	Towards Photochromic Azobenzene-Based Inhibitors for Tryptophan Synthase. Chemistry - A European Journal, 2021, 27, 2439-2451.	3.3	11
20	Hypothesis-Driven, Structure-Based Design in Photopharmacology: The Case of eDHFR Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 4798-4817.	6.4	10
21	Photoswitchable architecture transformation of a DNA-hybrid assembly at the microscopic and macroscopic scale. Chemical Science, 2022, 13, 3263-3272.	7.4	9
22	NTS2-selective neurotensin mimetics with tetrahydrofuran amino acids. Bioorganic and Medicinal Chemistry, 2017, 25, 350-359.	3.0	8
23	Predicting the substituent effects in the optical and electrochemical properties of N,N ² -substituted isoindigos. Photochemical and Photobiological Sciences, 2021, 20, 927-938.	2.9	5
24	(Hetero)aryl azoswitches and their application. Photochemistry, 2020, , 344-375.	0.2	2
25	Phenylimino Indolinone: A Green-Light-Responsive T-Type Photoswitch Exhibiting Negative Photochromism. Angewandte Chemie, 2021, 133, 25494.	2.0	2
26	Unraveling the Thermal Isomerization Mechanisms of Heteroaryl Azoswitches: Phenylazoindoles as Case Study. SSRN Electronic Journal, 0, , .	0.4	1
27	A Molecular Pump Facilitates Mechanical Adsorption Away from Equilibrium. Angewandte Chemie, 2022, 134, .	2.0	0
28	A Molecular Pump Facilitates Mechanical Adsorption Away from Equilibrium. Angewandte Chemie - International Edition, 2022, 61, e202115145.	13.8	0