

Sven H C Askes

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,394
citations

331670

21
h-index

377865

34
g-index

34
all docs

34
docs citations

34
times ranked

1882
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of a Photodissociative Ruthenium Complex by Triplet-Triplet Annihilation Upconversion in Liposomes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1029-1033.	13.8	168
2	A Red-Light-Activated Ruthenium-Caged NAMPT Inhibitor Remains Phototoxic in Hypoxic Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11549-11553.	13.8	159
3	Solving the oxygen sensitivity of sensitized photon upconversion in life science applications. <i>Nature Reviews Chemistry</i> , 2018, 2, 437-452.	30.2	89
4	An in vitro cell irradiation protocol for testing photopharmaceuticals and the effect of blue, green, and red light on human cancer cell lines. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 644-653.	2.9	87
5	Red Light-Triggered CO Release from Mn ²⁺ (CO) ₁₀ Using Triplet Sensitization in Polymer Nonwoven Fabrics. <i>Journal of the American Chemical Society</i> , 2017, 139, 15292-15295.	13.7	67
6	Imaging Upconverting Polymersomes in Cancer Cells: Biocompatible Antioxidants Brighten Triplet-Triplet Annihilation Upconversion. <i>Small</i> , 2016, 12, 5579-5590.	10.0	66
7	Green light-induced apoptosis in cancer cells by a tetrapyrrolyl ruthenium prodrug offering two trans coordination sites. <i>Chemical Science</i> , 2016, 7, 4922-4929.	7.4	63
8	Fluorinated Boronic Acid-Appended Pyridinium Salts and ¹⁹ F NMR Spectroscopy for Diol Sensing. <i>Journal of the American Chemical Society</i> , 2017, 139, 11413-11420.	13.7	61
9	vs Glucose Conjugation: Mitochondrial Targeting of a Light-Activated Dual-Mode of Action Ruthenium-Based Anticancer Prodrug. <i>Chemistry - A European Journal</i> , 2016, 22, 18484-18491.	3.3	58
10	Temporal Control of Membrane Fusion through Photolabile PEGylation of Liposome Membranes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1396-1400.	13.8	58
11	Imaging the lipid bilayer of giant unilamellar vesicles using red-to-blue light upconversion. <i>Chemical Communications</i> , 2015, 51, 9137-9140.	4.1	41
12	Triplet-triplet annihilation upconversion followed by FRET for the red light activation of a photodissociative ruthenium complex in liposomes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27380-27390.	2.8	41
13	A Red-Light-Activated Ruthenium-Caged NAMPT Inhibitor Remains Phototoxic in Hypoxic Cancer Cells. <i>Angewandte Chemie</i> , 2017, 129, 11707-11711.	2.0	41
14	Pivotal Role of a Pentacoordinate ³ MC State on the Photocleavage Efficiency of a Thioether Ligand in Ruthenium(II) Complexes: A Theoretical Mechanistic Study. <i>Inorganic Chemistry</i> , 2016, 55, 4448-4456.	4.0	36
15	Water-Dispersible Silica-Coated Upconverting Liposomes: Can a Thin Silica Layer Protect TTA-UC against Oxygen Quenching?. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 322-334.	5.2	36
16	Red Light Activation of Ru(II) Polypyridyl Prodrugs via Triplet-Triplet Annihilation Upconversion: Feasibility in Air and through Meat. <i>Molecules</i> , 2016, 21, 1460.	3.8	25
17	Photochemical Resolution of a Thermally Inert Cyclometalated Ru(phbpv)(N ⁻ N)(Sulfoxide) ⁺ Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 352-362.	13.7	25
18	Temperature Dependence of Triplet-Triplet Annihilation Upconversion in Phospholipid Membranes. <i>Journal of Physical Chemistry B</i> , 2017, 121, 780-786.	2.6	24

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19	Effects of the Bidentate Ligand on the Photophysical Properties, Cellular Uptake, and (Photo)cytotoxicity of Glycoconjugates Based on the [Ru(tpy)(NN)(L)] ²⁺ Scaffold. <i>Chemistry - A European Journal</i> , 2018, 24, 2709-2717.	3.3	24
20	Light-responsive paper strips as CO-releasing material with a colourimetric response. <i>Chemical Science</i> , 2017, 8, 6555-6560.	7.4	23
21	Tunable plasmonic HfN nanoparticles and arrays. <i>Nanoscale</i> , 2019, 11, 20252-20260.	5.6	21
22	Ultrafast Thermal Imprinting of Plasmonic Hotspots. <i>Advanced Materials</i> , 2021, 33, e2105192.	21.0	21
23	Coordination chemistry of 5,6,7-trimethyl-[1,2,4]triazolo[1,5-a]pyrimidine with first-row transition-metal salts: Synthesis, spectroscopy and single-crystal structures, with counter-anion dependence of the structures. <i>Polyhedron</i> , 2009, 28, 3143-3149.	2.2	18
24	Dynamics of dual-fluorescent polymersomes with durable integrity in living cancer cells and zebrafish embryos. <i>Biomaterials</i> , 2018, 168, 54-63.	11.4	15
25	Ultrafast Photoinduced Heat Generation by Plasmonic HfN Nanoparticles. <i>Advanced Optical Materials</i> , 2021, 9, 2100510.	7.3	14
26	Self-Optimized Catalysts: Hot-Electron Driven Photosynthesis of Catalytic Photocathodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35713-35719.	8.0	13
27	Using Hot Electrons and Hot Holes for Simultaneous Cocatalyst Deposition on Plasmonic Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35986-35994.	8.0	13
28	A novel coordination network of Tb(III) with 2-hydroxy-trimesic acid showing very intense photoluminescence. <i>Inorganic Chemistry Communication</i> , 2015, 61, 60-63.	3.9	12
29	Visible light-activated biocompatible photo-CORM for CO-release with colorimetric and fluorometric dual turn-on response. <i>Polyhedron</i> , 2019, 172, 175-181.	2.2	10
30	Recombination and localization: Unfolding the pathways behind conductivity losses in Cs ₂ AgBiBr ₆ thin films. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
31	Temporal Control of Membrane Fusion through Photolabile PEGylation of Liposome Membranes. <i>Angewandte Chemie</i> , 2016, 128, 1418-1422.	2.0	8
32	Localized photodeposition of catalysts using nanophotonic resonances in silicon photocathodes. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2097-2105.	2.8	2