

Yoichi Sasaki

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

768
citations

687363

13
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-Infrared-to-Visible Photon Upconversion Sensitized by a Metal Complex with Spin-Forbidden yet Strong S ₀ →T ₁ Absorption. <i>Journal of the American Chemical Society</i> , 2016, 138, 8702-8705.	13.7	178
2	Near-Infrared Optogenetic Genome Engineering Based on Photon Upconversion Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17827-17833.	13.8	103
3	Near infrared-to-blue photon upconversion by exploiting direct S→T absorption of a molecular sensitizer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5063-5067.	5.5	77
4	Discovery of Key TIPS-Naphthalene for Efficient Visible-to-UV Photon Upconversion under Sunlight and Room Light**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 142-147.	13.8	52
5	Leaping across the visible range: near-infrared-to-violet photon upconversion employing a silyl-substituted anthracene. <i>Chemical Communications</i> , 2020, 56, 7017-7020.	4.1	44
6	Spin Statistics for Triplet-Triplet Annihilation Upconversion: Exchange Coupling, Intermolecular Orientation, and Reverse Intersystem Crossing. <i>Jacs Au</i> , 2021, 1, 2188-2201.	7.9	44
7	Absolute Method to Certify Quantum Yields of Photon Upconversion via Triplet-Triplet Annihilation. <i>Journal of Physical Chemistry A</i> , 2019, 123, 10197-10203.	2.5	35
8	In optimized rubrene-based nanoparticle blends for photon upconversion, singlet energy collection outcompetes triplet-pair separation, not singlet fission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4684-4696.	5.5	33
9	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2806-2810.	13.8	28
10	Photon Upconverting Solid Films with Improved Efficiency for Endowing Perovskite Solar Cells with Near-Infrared Sensitivity. <i>ChemPhotoChem</i> , 2020, 4, 5271-5278.	3.0	26
11	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. <i>Chemistry - A European Journal</i> , 2019, 25, 6124-6130.	3.3	26
12	Osmium Complex-Chromophore Conjugates with Both Singlet-to-Triplet Absorption and Long Triplet Lifetime through Tuning of the Heavy-Atom Effect. <i>Inorganic Chemistry</i> , 2022, 61, 5982-5990.	4.0	23
13	Upconverting Oil-Laden Hollow Mesoporous Silica Microcapsules for Anti-Stokes-Based Biophotonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 26571-26580.	8.0	15
14	Photon upconverting bioplastics with high efficiency and in-air durability. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11655-11661.	5.5	13
15	Singlet-to-Triplet Absorption for Near-Infrared-to-Visible Photon Upconversion. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1760-1768.	3.2	13
16	Near-Infrared Optogenetic Genome Engineering Based on Photon Upconversion Hydrogels. <i>Angewandte Chemie</i> , 2019, 131, 17991-17997.	2.0	12
17	Stimuli-Responsive Dual-Color Photon Upconversion: A Singlet-to-Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane. <i>Angewandte Chemie</i> , 2018, 130, 2856-2860.	2.0	11
18	Near-Infrared-to-Visible Photon Upconversion by Introducing an S→T Absorption Sensitizer into a Metal-Organic Framework. <i>ChemNanoMat</i> , 2020, 6, 916-919.	2.8	11

#	ARTICLE	IF	CITATIONS
19	Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€UV Photon Upconversion under Sunlight and Room Light**. <i>Angewandte Chemie</i> , 2021, 133, 144-149.	2.0	10
20	Design Guidelines to Elongate Spinâ€Lattice Relaxation Times of Porphyrins with Large Triplet Electron Polarization. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4334-4340.	2.5	8
21	Innentitelbild: Stimuliâ€Responsive Dualâ€Color Photon Upconversion: A Singletâ€Triplet Absorption Sensitizer in a Soft Luminescent Cyclophane (<i>Angew. Chem.</i> 11/2018). <i>Angewandte Chemie</i> , 2018, 130, 2778-2778.	2.0	0
22	Supramolecular Crowding Can Avoid Oxygen Quenching of Photon Upconversion in Water. <i>Chemistry - A European Journal</i> , 2019, 25, 6042-6042.	3.3	0
23	Frontispiece: Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€UV Photon Upconversion under Sunlight and Room Light. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	13.8	0
24	Near-Infrared-to-Visible Photon Upconversion. , 2022, , 29-48.		0
25	Frontispiz: Discovery of Key TIPSâ€Naphthalene for Efficient Visibleâ€UV Photon Upconversion under Sunlight and Room Light. <i>Angewandte Chemie</i> , 2021, 133, .	2.0	0