

Thomas S Bischof

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

1,415
citations

759233

12
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

2788
citing authors

#	ARTICLE	IF	CITATIONS
1	Next-generation in vivo optical imaging with short-wave infrared quantum dots. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	490
2	Energy harvesting of non-emissive triplet excitons in tetracene by emissive PbS nanocrystals. <i>Nature Materials</i> , 2014, 13, 1039-1043.	27.5	235
3	Energy-Looping Nanoparticles: Harnessing Excited-State Absorption for Deep-Tissue Imaging. <i>ACS Nano</i> , 2016, 10, 8423-8433.	14.6	122
4	Optical Trapping and Two-Photon Excitation of Colloidal Quantum Dots Using Bowtie Apertures. <i>ACS Photonics</i> , 2016, 3, 423-427.	6.6	107
5	Bright Chromenylum Polymethine Dyes Enable Fast, Four-Color <i>In Vivo</i> Imaging with Shortwave Infrared Detection. <i>Journal of the American Chemical Society</i> , 2021, 143, 6836-6846.	13.7	98
6	Deconstructing the photon stream from single nanocrystals: from binning to correlation. <i>Chemical Society Reviews</i> , 2014, 43, 1287-1310.	38.1	73
7	PbS Nanocrystal Emission Is Governed by Multiple Emissive States. <i>Nano Letters</i> , 2016, 16, 6070-6077.	9.1	71
8	Targeted multicolor in vivo imaging over 1,000 nm enabled by nonamethine cyanines. <i>Nature Methods</i> , 2022, 19, 353-358.	19.0	65
9	Interfacial coordination interactions studied on cobalt octaethylporphyrin and cobalt tetraphenylporphyrin monolayers on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4336.	2.8	59
10	Measurement of Emission Lifetime Dynamics and Biexciton Emission Quantum Yield of Individual InAs Colloidal Nanocrystals. <i>Nano Letters</i> , 2014, 14, 6787-6791.	9.1	32
11	Multiexciton Lifetimes Reveal Triexciton Emission Pathway in CdSe Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5153-5158.	9.1	27
12	Sample-Averaged Biexciton Quantum Yield Measured by Solution-Phase Photon Correlation. <i>Nano Letters</i> , 2014, 14, 6792-6798.	9.1	26
13	Extracting the average single-molecule biexciton photoluminescence lifetime from a solution of chromophores. <i>Optics Letters</i> , 2016, 41, 4823.	3.3	8
14	Optical Trapping of a Colloidal Quantum Dot. , 2015, , .		2