

San-Hui Chi

List of Publications by Year in descending order

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papers

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citations

567281

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21
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29
all docs

29
docs citations

29
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium Uncaging with Visible Light. <i>Journal of the American Chemical Society</i> , 2016, 138, 3687-3693.	13.7	67
2	Luminescent Quadrupolar Borazine Oligomers: Synthesis, Photophysics, and Two-Photon Absorption Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 18237-18247.	3.3	45
3	Keto-polymethines: a versatile class of dyes with outstanding spectroscopic properties for in cellulose and in vivo two-photon microscopy imaging. <i>Chemical Science</i> , 2017, 8, 381-394.	7.4	43
4	Aminonaphthalic Anhydrides as Red-Emitting Materials: Electroluminescence, Crystal Structure, and Photophysical Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5509-5517.	2.6	41
5	Unraveling the Two-Photon and Excited-State Absorptions of Aza-BODIPY Dyes for Optical Power Limiting in the SWIR Band. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23661-23673.	3.1	37
6	Effects of Counterions with Multiple Charges on the Linear and Nonlinear Optical Properties of Polymethine Salts. <i>Chemistry of Materials</i> , 2016, 28, 3115-3121.	6.7	29
7	Facile Incorporation of Pd(PPh ₃) ₂ Hal Substituents into Polymethines, Merocyanines, and Perylene Diimides as a Means of Suppressing Intermolecular Interactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 10112-10115.	13.7	29
8	Conjugated polymer-fullerene blend with strong optical limiting in the near-infrared. <i>Optics Express</i> , 2009, 17, 22062.	3.4	27
9	Proton-Coupled Electron Transfer and a Tyrosine-Histidine Pair in a Photosystem II-Inspired β -Hairpin Maquette: Kinetics on the Picosecond Time Scale. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1259-1272.	2.6	24
10	Novel s-tetrazine-based dyes with enhanced two-photon absorption cross-section. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8351-8357.	5.5	22
11	Effects of <i>meso</i> -M(PPh ₃) ₂ Cl (M = Pd, Ni) substituents on the linear and third-order nonlinear optical properties of chalcogenopyrylium-terminated heptamethines in solution and solid states. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3613-3620.	5.5	19
12	Thick Optical-Quality Films of Substituted Polyacetylenes with Large, Ultrafast Third-Order Nonlinearities and Application to Image Correlation. <i>Advanced Materials</i> , 2008, 20, 3199-3203.	21.0	18
13	Linear and Third-Order Nonlinear Optical Properties of Chalcogenopyrylium-Terminated Heptamethine Dyes with Rigid, Bulky Substituents. <i>Advanced Functional Materials</i> , 2018, 28, 1804073.	14.9	17
14	Measurement of complex $\chi^{(3)}$ using degenerate four-wave mixing with an imaged 2-D phase grating. <i>Optics Express</i> , 2006, 14, 8737.	3.4	16
15	Near IR nonlinear absorption of an organic supermolecule [Invited]. <i>Optical Materials Express</i> , 2011, 1, 1383.	3.0	16
16	Impact of Ion-Pairing Effects on Linear and Nonlinear Photophysical Properties of Polymethine Dyes**. <i>ChemPhysChem</i> , 2020, 21, 2536-2542.	2.1	14
17	Nonlinear optical components for all-optical probabilistic graphical model. <i>Nature Communications</i> , 2018, 9, 2128.	12.8	10
18	Tyrosine, cysteine, and proton coupled electron transfer in a ribonucleotide reductase-inspired beta hairpin maquette. <i>Chemical Communications</i> , 2019, 55, 9399-9402.	4.1	9

#	ARTICLE	IF	CITATIONS
19	NIR-to-NIR two-photon bio-imaging using very bright tailored amino-heptamethines dyes. <i>Dyes and Pigments</i> , 2022, 203, 110369.	3.7	6
20	TWO-PHOTON ABSORPTION: CONCEPTS, MOLECULAR MATERIALS AND APPLICATIONS. <i>Materials and Energy</i> , 2016, , 397-442.	0.1	2
21	Photo-Induced Absorption of Donor-Acceptor Conjugated Copolymers for Optical Limiting. , 2010, , .		1
22	Synthesis and two-photon absorption property of a series of metal-salen compounds containing a variety of thiophene moieties. <i>Inorganic Chemistry Communication</i> , 2013, 35, 152-155.	3.9	1
23	Toward the realization of practicable materials for γ based photonic applications. , 2006, , .		0
24	Processible Polyacetylene-Based γ Materials for Photonic Applications. , 2007, , .		0
25	Third-harmonic generation in organic thin films as an alternative to degenerate four-wave mixing ultrafast optical image processing. , 2008, , .		0
26	Nonlinear optical properties of conjugated polymer charge transfer composites. , 2008, , .		0
27	Ultrafast Exciton Dynamics in Donor-Acceptor Conjugated Polymers. , 2013, , .		0
28	Photo-Induced Absorption of Substituted Poly (Phenylene Vinylene)-Fullerene Composites for Optical Limiting. , 2009, , .		0
29	Organic Materials for All-Optical Signal Processing and Optical Limiting. , 2010, , .		0