San-Hui Chi

List of Publications by Year
in descending order

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29	493	567281 15	713466 21
papers	citations	h-index	g-index

29	29	29	868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	NIR-to-NIR two-photon bio-imaging using very bright tailored amino-heptamethines dyes. Dyes and Pigments, 2022, 203, 110369.	3.7	6
2	Impact of Ionâ€Pairing Effects on Linear and Nonlinear Photophysical Properties of Polymethine Dyes**. ChemPhysChem, 2020, 21, 2536-2542.	2.1	14
3	Tyrosine, cysteine, and proton coupled electron transfer in a ribonucleotide reductase-inspired beta hairpin maquette. Chemical Communications, 2019, 55, 9399-9402.	4.1	9
4	Unraveling the Two-Photon and Excited-State Absorptions of Aza-BODIPY Dyes for Optical Power Limiting in the SWIR Band. Journal of Physical Chemistry C, 2019, 123, 23661-23673.	3.1	37
5	Effects of meso-M(PPh₃)₂Cl (M = Pd, Ni) substituents on the linear and third-order nonlinear optical properties of chalcogenopyrylium-terminated heptamethines in solution and solid states. Journal of Materials Chemistry C, 2018, 6, 3613-3620.	5.5	19
6	Linear and Thirdâ€Order Nonlinear Optical Properties of Chalcogenopyryliumâ€Terminated Heptamethine Dyes with Rigid, Bulky Substituents. Advanced Functional Materials, 2018, 28, 1804073.	14.9	17
7	Nonlinear optical components for all-optical probabilistic graphical model. Nature Communications, 2018, 9, 2128.	12.8	10
8	Keto-polymethines: a versatile class of dyes with outstanding spectroscopic properties for in cellulo and in vivo two-photon microscopy imaging. Chemical Science, 2017, 8, 381-394.	7.4	43
9	Effects of Counterions with Multiple Charges on the Linear and Nonlinear Optical Properties of Polymethine Salts. Chemistry of Materials, 2016, 28, 3115-3121.	6.7	29
10	TWO-PHOTON ABSORPTION: CONCEPTS, MOLECULAR MATERIALS AND APPLICATIONS. Materials and Energy, 2016, , 397-442.	0.1	2
11	Facile Incorporation of Pd(PPh₃)₂Hal Substituents into Polymethines, Merocyanines, and Perylene Diimides as a Means of Suppressing Intermolecular Interactions. Journal of the American Chemical Society, 2016, 138, 10112-10115.	13.7	29
12	Proton-Coupled Electron Transfer and a Tyrosineâ€“Histidine Pair in a Photosystem II-Inspired Î²-Hairpin Maquette: Kinetics on the Picosecond Time Scale. Journal of Physical Chemistry B, 2016, 120, 1259-1272.	2.6	24
13	Calcium Uncaging with Visible Light. Journal of the American Chemical Society, 2016, 138, 3687-3693.	13.7	67
14	Luminescent Quadrupolar Borazine Oligomers: Synthesis, Photophysics, and Twoâ€Photon Absorption Properties. Chemistry - A European Journal, 2015, 21, 18237-18247.	3.3	45
15	Novel s-tetrazine-based dyes with enhanced two-photon absorption cross-section. Journal of Materials Chemistry C, 2015, 3, 8351-8357.	5.5	22
16	Synthesis and two-photon absorption property of a series of metalâ€“salen compounds containing a variety of thiophene moieties. Inorganic Chemistry Communication, 2013, 35, 152-155.	3.9	1
17	Ultrafast Exciton Dynamics in Donor-Acceptor Conjugated Polymers. , 2013, , .		0
18	Near IR nonlinear absorption of an organic supermolecule [Invited]. Optical Materials Express, 2011, 1, 1383.	3.0	16

#	Article	IF	Citations
19	Photo-Induced Absorption of Donor-Acceptor Conjugated Copolymers for Optical Limiting. , 2010, , .		1
20	Organic Materials for All-Optical Signal Processing and Optical Limiting. , 2010, , .		0
21	Conjugated polymer-fullerene blend with strong optical limiting in the near-infrared. Optics Express, 2009, 17, 22062.	3.4	27
22	Photo-Induced Absorption of Substituted Poly (Phenylene Vinylene)-Fullerene Composites for Optical Limiting. , 2009, , .		0
23	Thick Opticalâ€Quality Films of Substituted Polyacetylenes with Large, Ultrafast Thirdâ€Order Nonlinearities and Application to Image Correlation. Advanced Materials, 2008, 20, 3199-3203.	21.0	18
24	Third-harmonic generation in organic thin films as an alternative to degenerate four-wave mixing ultrafast optical image processing. , 2008, , .		0
25	Nonlinear optical properties of conjugated polymer charge transfer composites. , 2008, , .		0
26	Processible Polyacetylene-Based χ⁽³⁾ Materials for Photonic Applications. , 2007, , .		0
27	Measurement of complex ?(3) using degenerate four-wave mixing with an imaged 2-D phase grating. Optics Express, 2006, 14, 8737.	3.4	16
28	Toward the realization of practicable materials for χ⁽³⁾ based photonic applications. , 2006, , .		0
29	Aminonaphthalic Anhydrides as Red-Emitting Materials:Â Electroluminescence, Crystal Structure, and Photophysical Properties. Journal of Physical Chemistry B, 2005, 109, 5509-5517.	2.6	41