

BetÃ¼l KÃ¼Ã§Ã¼kÃ¶z

List of Publications by Year in descending order

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37
papers

932
citations

393982

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h-index

454577

30
g-index

38
all docs

38
docs citations

38
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	BODIPY triads triplet photosensitizers enhanced with intramolecular resonance energy transfer (RET): broadband visible light absorption and application in photooxidation. <i>Chemical Science</i> , 2014, 5, 489-500.	3.7	116
2	Tunable Plexcitonic Nanoparticles: A Model System for Studying Plasmon-Exciton Interaction from the Weak to the Ultrastrong Coupling Regime. <i>ACS Photonics</i> , 2016, 3, 2010-2016.	3.2	62
3	Fabrication of Supramolecular n/p-Nanowires via Coassembly of Oppositely Charged Peptide-Chromophore Systems in Aqueous Media. <i>ACS Nano</i> , 2017, 11, 6881-6892.	7.3	56
4	Efficient Intersystem Crossing in Heavy-Atom-Free Perylenebisimide Derivatives. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10162-10175.	1.5	55
5	Resonance energy transfer-enhanced rhodamine-styryl Bodipy dyad triplet photosensitizers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3900-3913.	2.7	50
6	DiiodoBodipy-Perylenebisimide Dyad/Triad: Preparation and Study of the Intramolecular and Intermolecular Electron/Energy Transfer. <i>Journal of Organic Chemistry</i> , 2015, 80, 3036-3049.	1.7	49
7	Fabrication of Plasmonically Active Substrates Using Engineered Silver Nanostructures for SERS Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39795-39803.	4.0	43
8	Near-IR Broadband-Absorbing trans-Bisphosphine Pt(II) Bisacetylde Complexes: Preparation and Study of the Photophysics. <i>Inorganic Chemistry</i> , 2015, 54, 7492-7505.	1.9	41
9	Bodipy-C ₆₀ triple hydrogen bonding assemblies as heavy atom-free triplet photosensitizers: preparation and study of the singlet/triplet energy transfer. <i>Chemical Science</i> , 2015, 6, 3724-3737.	3.7	41
10	Broad-Band N ³⁺ Pt(II) Bisacetylde Visible Light Harvesting Complex with Heteroleptic Bodipy Acetylde Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 7803-7817.	1.9	37
11	Enhancement of two photon absorption properties and intersystem crossing by charge transfer in pentaaryl boron-dipyrromethene (BODIPY) derivatives. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13546-13553.	1.3	35
12	trans-Bis(alkylphosphine) platinum(II)-alkynyl complexes showing broadband visible light absorption and long-lived triplet excited states. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9720-9736.	2.7	33
13	The effect of heavy atom to two photon absorption properties and intersystem crossing mechanism in aza-boron-dipyrromethene compounds. <i>Dyes and Pigments</i> , 2015, 122, 286-294.	2.0	32
14	Probing ultrafast energy transfer between excitons and plasmons in the ultrastrong coupling regime. <i>Applied Physics Letters</i> , 2014, 105, 051105.	1.5	29
15	The effect of charge transfer on the ultrafast and two-photon absorption properties of newly synthesized boron-dipyrromethene compounds. <i>Dyes and Pigments</i> , 2013, 99, 979-985.	2.0	25
16	Explanation of pH probe mechanism in borondipyrromethene-benzimidazole compound using ultrafast spectroscopy technique. <i>Sensors and Actuators B: Chemical</i> , 2014, 193, 737-744.	4.0	24
17	Synthesis, optical properties and ultrafast dynamics of aza-boron-dipyrromethene compounds containing methoxy and hydroxy groups and two-photon absorption cross-section. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 247, 24-29.	2.0	23
18	Singlet and triplet energy transfer dynamics in self-assembled axial porphyrin-anthracene complexes: towards supra-molecular structures for photon upconversion. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7549-7558.	1.3	23

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19	The effect of Se/Te ratio on transient absorption behavior and nonlinear absorption properties of $\text{CuIn}_{0.7}\text{Ga}_{0.3}(\text{Se}_{1-x}\text{Te}_x)_2$ (0Å%ÅxÅ%Å1) amorphous semiconductor thin films. <i>Optical Materials</i> , 2017, 73, 20-24.	2.7	22
20	Enhancement of two photon absorption properties by charge transfer in newly synthesized aza-boron-dipyrromethene compounds containing triphenylamine, 4-ethynyl-N,N-dimethylaniline and methoxy moieties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 256, 23-28.	2.0	21
21	Ultrafast transient optical loss dynamics in excitonâ€“plasmon nano-assemblies. <i>Nanoscale</i> , 2017, 9, 6558-6566.	2.8	15
22	Investigation of ultrafast energy transfer mechanism in BODIPYâ€“Porphyrin dyad system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 373, 116-121.	2.0	13
23	Singlet Fission and Electron Injection from the Triplet Excited State in Diphenylisobenzofuranâ€“Semiconductor Assemblies: Effects of Solvent Polarity and Driving Force. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20794-20805.	1.5	11
24	Electron transfer reactions in sub-porphyrinâ€“naphthylidide dyads. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 16477-16485.	1.3	9
25	Singlet Energy Transfer in Anthraceneâ€“Porphyrin Complexes: Mechanism, Geometry, and Implications for Intramolecular Photon Upconversion. <i>Journal of Physical Chemistry B</i> , 2019, 123, 9934-9943.	1.2	9
26	A Ru(bipyridine) ₃ [PF ₆] ₂ Complex with a Rhodamine Unit â€“ Synthesis, Photophysical Properties, and Application in Acidâ€“Controllable Tripletâ€“Triplet Annihilation Upconversion. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5079-5088.	1.0	8
27	Two photon absorption properties of four coordinated transition metal complexes of tetraarylazadipyrromethene compounds. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4451-4459.	1.3	8
28	Syntheses and studies of electron/energy transfer of new dyads based on an unsymmetrical perylene diimide incorporating chelating 1,10-phenanthroline and its corresponding square-planar complexes with dichloroplatinum(<i>sc</i>) and dichloropalladium(<i>sc</i>). <i>Dalton Transactions</i> , 2018, 47, 7422-7430.	1.6	7
29	Synthesis and spectroscopic properties of a novel â€“fluorescent probe: Thienyl-pyridine substituted BODIPY. <i>Journal of Luminescence</i> , 2019, 211, 334-340.	1.5	7
30	Two new potential optical materials: Co(II) and Ni(II) 3-fluorobenzoate complexes with pyridine-3-carboxamide. <i>Journal of Coordination Chemistry</i> , 2019, 72, 786-795.	0.8	6
31	Size and structure dependent ultrafast dynamics of plasmonic gold nanosphere heterostructures on poly (ethylene glycol) brushes. <i>Optical Materials</i> , 2017, 73, 83-88.	1.7	5
32	Excited state dynamics of nanocrystalline VO ₂ with white light continuum time resolved spectroscopy. <i>Optics Communications</i> , 2014, 333, 109-114.	1.0	4
33	The synthesis of 1,3,5,7,8 aryl substituted boron-dipyrromethene chromophores: Nonlinear optical and photophysical characterization. <i>Journal of Molecular Structure</i> , 2020, 1206, 127691.	1.8	4
34	Electron/energy transfer studies on hybrid materials based on dinuclear coordination compounds of twisted perylene diimide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 226-234.	2.0	3
35	Ultrafast Electron/Energy Transfer and Intersystem Crossing Mechanisms in BODIPY-Porphyrin Compounds. <i>Processes</i> , 2021, 9, 312.	1.3	3
36	Modifying ultrafast optical response of sputtered VOX nanostructures in a broad spectral range by altering post annealing atmosphere. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 015503.	1.0	2

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37	A Ru(bipyridine) ₃ [PF ₆] ₂ Complex with a Rhodamine Unit - Synthesis, Photophysical Properties, and Application in Acid-Controllable Triplet-Triplet Annihilation Upconversion. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5078-5078.	1.0	1