Ying-hui Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4498822/publications.pdf

Version: 2024-02-01

81	2,485	567281 15	197818 49
papers	citations	h-index	g-index

83	83	83	3459
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial Stressâ€Modulated Mechanosensitive Upconversion Luminescence of NaErF₄ Based Heteroepitaxial Coreâ€“Shell Nanoparticles. Advanced Optical Materials, 2022, 10, 2101702.	7.3	8
2	Optical Properties of Inorganic Halide Perovskite Nanorods: Role of Anisotropy, Temperature, Pressure, and Nonlinearity. Journal of Physical Chemistry C, 2022, 126, 2003-2012.	3.1	9
3	Synergetic interfacial passivation, band alignment, and long-term stability with halide-optimized CsPbBr_xI_{3â^’x} nanocrystals for high-efficiency MAPbI₃ solar cells. Journal of Materials Chemistry C, 2022, 10, 5134-5140.	5.5	2
4	Process Optimization for Preparation of Hydrochar with Abundant Surface Functional Groups and Promising Adsorption Capacity. Science of Advanced Materials, 2022, 14, 86-97.	0.7	5
5	Scanning the optoelectronic properties of Cs₄Cu_xAg_{2â^’2x}Sb₂Cl₁₂ double perovskite nanocrystals: the role of Cu²⁺ content. Journal of Materials Chemistry C, 2022, 10, 5526-5533.	5.5	8
6	Molecular Conformation Engineering To Achieve Longer and Brighter Deep Red/Near-Infrared Emission in Crystalline State. Journal of Physical Chemistry Letters, 2022, 13, 4754-4761.	4.6	9
7	Generating and Capturing Secondary Hot Carriers in Monolayer Tungsten Dichalcogenides. Journal of Physical Chemistry Letters, 2022, 13, 5703-5710.	4.6	2
8	Scanning the optical properties of 4-(1,1-difluoro-1H-1Î»⁴,10Î»⁴-benzo[4,5]thiazolo[3,2-c][1,3,2]oxazaborinin-3-yl)-N,N-in mono-disperse and aggregation systems. Journal of Materials Chemistry C, 2021, 9, 13266-13275.	5.5	8
9	Interparticle Spacing Effect among Quantum Dots with High-Pressure Regulation. Nanomaterials, 2021, 11, 325.	4.1	8
10	Investigation of Hot Carrier Cooling Dynamics in Monolayer MoS₂. Journal of Physical Chemistry Letters, 2021, 12, 861-868.	4.6	20
11	Cooling and diffusion characteristics of a hot carrier in the monolayer WS₂. Optics Express, 2021, 29, 7736.	3.4	3
12	Carrier dynamics of CdS/MoS2 heterostructure nanocrystal films affected by annealing effect. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	1
13	Study of the Photoluminescence Characteristics of 4,4â€²-((1E,1â€²E)-Quinoxaline-2,3-diylbis(ethene-2,1-diyl))bis(N,N-dimethylaniline). Journal of Physical Chemistry B, 2021, 125, 4132-4140.	2.6	2
14	Ultrafast Electron Transfer in Binary Nanoparticle Superlattices under High Pressure. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100066.	2.4	3
15	Manipulating hot carrier behavior of MAPbBr3 nanocrystal by photon flux and temperature. Journal of Luminescence, 2021, 239, 118332.	3.1	6
16	Manipulating the Photoluminescence and Carrier Characteristics of Excited FAPbBr₃ Nanocrystals with Pressure. Journal of Physical Chemistry C, 2021, 125, 1041-1047.	3.1	8
17	Temperature-Dependent Ultrafast Spectral Response of FAPb(Br0.4I0.6)3 Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 1157-1166.	3.1	7
18	Studying of the pressure-induced photoluminescence characteristics of CsPbI3 nanocrystals. Optical Materials, 2021, 122, 111648.	3.6	4

#	Article	IF	Citations
19	Temperature-dependent and nonlinear optical response of double perovskite Cs2AgBiBr6 nanocrystals. Applied Physics Letters, 2021, 119, .	3.3	4
20	Optical Property of Inorganic Halide Perovskite Hexagonal Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 25044-25054.	3.1	5
21	Layer number-dependent optoelectronic characteristics of quasi-2D PBA₂(MAPbBr₃)_{nâ^'1}PbBr₄ perovskite films. Journal of Materials Chemistry C, 2021, 9, 17033-17041.	5.5	5
22	Studying of the Biexciton Characteristics in Monolayer MoS₂. Journal of Physical Chemistry C, 2020, 124, 1749-1754.	3.1	13
23	Scanning Ultrafast Spectral Dynamics of Triphenylamine-Modified Vinylbenzothiazole Derivative: Role of Solvent Polarity and Temperature. Journal of Physical Chemistry Letters, 2020, 11, 7603-7609.	4.6	7
24	Pressure Effects on Optoelectronic Properties of CsPbBr₃ Nanocrystals. Journal of Physical Chemistry C, 2020, 124, 11239-11247.	3.1	18
25	Temperature-Dependent Dynamic Carrier Process of FAPbI₃ Nanocrystalsâ€™ Film. Journal of Physical Chemistry C, 2020, 124, 5093-5098.	3.1	14
26	Ultrafast carrier dynamics in double perovskite Cs₂AgBiBr₆ nanocrystals. Applied Physics Express, 2020, 13, 121003.	2.4	9
27	Studying of photo-excitation dynamics and photodetector based on MoSe2 nanosheet. Optical Materials, 2019, 98, 109429.	3.6	9
28	Effects of Replacement on the Optical Properties of Narrow Bandgap Polymers: Comparing the Difference Between Thieno[3,2-b]thiophene Units and Thiophene Units. Chemical Research in Chinese Universities, 2019, 35, 146-149.	2.6	1
29	Role of surface trapping state in the charge exchange characteristics of CdSe nanorod. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	0
30	Studying of photoluminescence property of carbazole unit based push-pull oligomers. AIP Advances, 2019, 9, 035113.	1.3	3
31	Zn-Alloyed CsPbI₃ Nanocrystals for Highly Efficient Perovskite Light-Emitting Devices. Nano Letters, 2019, 19, 1552-1559.	9.1	395
32	Study on photoelectric characteristics of monolayer WS₂ films. RSC Advances, 2019, 9, 37195-37200.	3.6	7
33	Nanoâ€sensor Based on MoS₂ Nanosheet mixed with Au quantum dot: Role of Layer Number and Temperature. Electroanalysis, 2019, 31, 422-427.	2.9	5
34	Dissipation dynamics of intrachain exciton coupled with phonons in MEHâ€PPV: Timeâ€resolved multiplex coherent antiâ€Stokes Raman scattering. Journal of Raman Spectroscopy, 2019, 50, 557-562.	2.5	2
35	Acceptor number-dependent ultrafast photo-physical properties of push-pull chromophores using time-resolved methods. Chemical Physics Letters, 2018, 698, 127-131.	2.6	7
36	Role of tert-butyl in the linear and nonlinear optical property of push-pull chromophores. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 351, 240-244.	3.9	6

#	Article	IF	Citations
37	Scanning the energy dissipation process of energetic materials based on excited state relaxation and vibrationâ€“vibration coupling. Chinese Physics B, 2018, 27, 104205.	1.4	1
38	Photo-physical properties of an opto-electronic material based on triphenylamine and diphenylfumaronitrile. Journal of Luminescence, 2018, 204, 327-332.	3.1	9
39	The nonlinear and linear photo-physical properties of Ï€-conjugated extensions based on difluoroboron Î²-diketonate complexes with terminal triphenylamines: The role of vinyl unit. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 400-405.	3.9	6
40	Temperature-dependent charge carrier dynamics investigation of heterostructured Cu2S-In2S3 nanocrystals films using injected charge extraction by linearly increasing voltage. Applied Physics Letters, 2017, 110, 083104.	3.3	6
41	Cesium lead halide perovskite quantum dot-based warm white light-emitting diodes with high color rendering index. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	19
42	Concentration dependent carriers dynamics in CsPbBr3 perovskite nanocrystals film with transient grating. Applied Physics Letters, 2017, 110, .	3.3	10
43	Study of the photoluminescence properties of two-dimensional dye doped photonic crystals based on localized surface plasmon resonance. Journal of Luminescence, 2017, 190, 56-61.	3.1	3
44	Influence of electronic acceptor on the excited state properties of pushâ€“pull chromophores. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 221-224.	3.9	7
45	Dynamic mechanism of relaxation paths occurring in TPA-DCPP: Roles of solvent and temperature. Chemical Research in Chinese Universities, 2017, 33, 400-405.	2.6	3
46	Investigation of Ultrafast Electronic Transfer Process on Organic/Inorganic Heterojunction by Femtosecond Transient Absorption. Chinese Journal of Chemical Physics, 2016, 29, 389-394.	1.3	1
47	Study of photoluminescence characteristics of CdSe quantum dots hybridized with Cu nanowires. Luminescence, 2016, 31, 1298-1301.	2.9	44
48	Charge carrier dynamics investigation of CuInS2 quantum dots films using injected charge extraction by linearly increasing voltage (i-CELIV): the role of ZnS Shell. Journal of Nanoparticle Research, 2016, 18, 1.	1.9	5
49	Spontaneous emission of semiconductor quantum dots in inverse opal SiO₂ photonic crystals at different temperatures. Luminescence, 2016, 31, 4-7.	2.9	26
50	Photo-induced birefringence of azo-dye based on three-dimensional opal photonic crystals. Chemical Research in Chinese Universities, 2016, 32, 1063-1068.	2.6	3
51	Exciton Relaxation Dynamics in Photo-Excited CsPbI3 Perovskite Nanocrystals. Scientific Reports, 2016, 6, 29442.	3.3	69
52	Ultrastable Quantum-Dot Light-Emitting Diodes by Suppression of Leakage Current and Exciton Quenching Processes. ACS Applied Materials & Interfaces, 2016, 8, 31385-31391.	8.0	119
53	Charge carrier dynamics in PDPP-F/PCBM heterojunction solar cells. Chemical Research in Chinese Universities, 2016, 32, 1034-1037.	2.6	0
54	Nonlinear Optical Properties of D-Ï€-A-Ï€-D Type Oligomers with Different Conjugation Length. Chinese Journal of Chemical Physics, 2015, 28, 557-562.	1.3	4

#	Article	IF	Citations
55	Studying of the photoluminescence of MEH-PPV-Au nanoparticles hybrid system. Journal of Modern Optics, 2015, 62, 387-391.	1.3	3
56	Emission and energy transfer characteristics of coumarin 6 molecules doped in opal polymer photonic crystal. Chemical Research in Chinese Universities, 2015, 31, 466-470.	2.6	2
57	Pressure-Dependent Relaxation Dynamics of Excitons in Conjugated Polymer Film. Journal of Physical Chemistry C, 2015, 119, 13194-13199.	3.1	8
58	Studying of the photoluminescence characteristics of Au(0)@Au(I)-thiolate coreâ€“shell nanoclusters. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	3
59	Studying of the photoluminescence characteristics of AgInS2 quantum dots. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	13
60	Fluorescence resonance energy transfer between conjugated molecules infiltrated in three-dimensional opal photonic crystals. Journal of Luminescence, 2015, 158, 281-285.	3.1	6
61	Ï€-Conjugated Unit-Dependent Optical Properties of Linear Conjugated Oligomers. Chinese Journal of Chemical Physics, 2014, 27, 315-320.	1.3	3
62	Investigation on Excited-State Photophysical Characteristics of Low Bandgap Polymer APFO3. Chinese Journal of Chemical Physics, 2014, 27, 109-114.	1.3	5
63	Manipulating fluorescence characteristics of conjugated fluorescent molecules incorporated into three-dimensional poly(methyl methacrylate) opal photonic crystals. Applied Physics Express, 2014, 7, 025202.	2.4	10
64	Investigation on â€œExcimerâ€•Formation Mechanism of Linear Oligofluorenesâ€Functionalized Anthracenes by Using Transient Absorption Spectroscopy. Photochemistry and Photobiology, 2014, 90, 45-50.	2.5	7
65	Modulation of spontaneous emission characteristics of Alq3 in threeâ€dimensional PMMA photonic crystals. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 842-847.	2.1	9
66	Investigation on Photophysical Properties of Dâ€“Ï€â€“Aâ€“Ï€â€“Dâ€Type Fluorenoneâ€Based Linear Conjugated Oligomers by Using Femtosecond Transient Absorption Spectroscopy. Photochemistry and Photobiology, 2014, 90, 29-34.	2.5	17
67	Employing â¼100% Excitons in OLEDs by Utilizing a Fluorescent Molecule with Hybridized Local and Chargeâ€Transfer Excited State. Advanced Functional Materials, 2014, 24, 1609-1614.	14.9	527
68	Studying the emission complexity of conjugated molecules by manipulating the molecular aggregate state. New Journal of Chemistry, 2014, 38, 3885-3888.	2.8	4
69	Theoretical and experimental studies on photophysical characteristics of low bandgap polymers. Chemical Research in Chinese Universities, 2014, 30, 513-517.	2.6	1
70	Ultra-fast excitation dynamics in low bandgap polymer solar cell. Applied Physics Letters, 2013, 103, 073902.	3.3	7
71	Linear and nonlinear optical properties of two novel Dâ€“Ï€â€“Aâ€“Ï€â€“D type conjugated oligomers with different donors. Optical Materials, 2013, 35, 467-471.	3.6	30
72	Effects of Ï€-spacers on the linear and nonlinear optical properties of novel fluorenone-based Dâ€“Ï€â€“Aâ€“Ï€â€“D type conjugated oligomers with different donors. Optical Materials, 2013, 35, 1373-1377.	3.6	17

#	Article	IF	Citations
73	Investigation on the linear and nonlinear optical properties of fluorenone-based linear conjugated oligomers: The influence of Ï€-spacer. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 261, 41-45.	3.9	11
74	Theoretical and experimental investigation on photophysical properties of the Ï€-conjugated extension dependent fluorene based oligomers. Journal of Molecular Structure, 2013, 1054-1055, 89-93.	3.6	0
75	Investigation on the photophysics of the narrow bandgap polymer for PDPPTT-T. Journal of Molecular Structure, 2013, 1050, 5-9.	3.6	1
76	Theoretical and experimental investigation on the photophysical properties of star-shaped monodisperse oligo(9,9-di-n-octylfluorene-2,7-vinylene)s functionalized truxenes. Chemical Physics Letters, 2013, 566, 17-20.	2.6	16
77	Photovoltaic performance and charge recombination dynamics of P3HT/PCBM blend heterojunction. Chemical Research in Chinese Universities, 2013, 29, 1185-1188.	2.6	3
78	Timeâ€resolved spectroscopy study of donorâ€“acceptorâ€type copolymers in a monodisperse system: The effect of ratio between the acceptor and the donor. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 992-997.	2.1	4
79	Linear and Nonlinear Optical Properties of Novel Multi-branched Oligomers. Chinese Journal of Chemical Physics, 2012, 25, 636-641.	1.3	9
80	Engineering Organic Sensitizers for Iodine-Free Dye-Sensitized Solar Cells: Red-Shifted Current Response Concomitant with Attenuated Charge Recombination. Journal of the American Chemical Society, 2011, 133, 11442-11445.	13.7	284
81	High-Efficiency Dye-Sensitized Solar Cells: The Influence of Lithium Ions on Exciton Dissociation, Charge Recombination, and Surface States. ACS Nano, 2010, 4, 6032-6038.	14.6	531