

# Ning Sui

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Exciton Relaxation Dynamics in Photo-Excited CsPbI <sub>3</sub> Perovskite Nanocrystals. Scientific Reports, 2016, 6, 29442.	3.3	69
3	An Interpretation of the Anomalously Low Mass of Mars. Astrophysical Journal, 2008, 674, L105-L108.	4.5	44
4	Study of photoluminescence characteristics of CdSe quantum dots hybridized with Cu nanowires. Luminescence, 2016, 31, 1298-1301.	2.9	44
5	Spontaneous emission of semiconductor quantum dots in inverse opal SiO <sub>2</sub> photonic crystals at different temperatures. Luminescence, 2016, 31, 4-7.	2.9	26
6	THE EVOLUTION OF THE SOLAR NEBULA I. EVOLUTION OF THE GLOBAL PROPERTIES AND PLANET MASSES. Astrophysical Journal, 2010, 710, 1179-1194.	4.5	25
7	Studying of photoluminescence characteristics of CdTe/ZnS QDs manipulated by TiO <sub>2</sub> inverse opal photonic crystals. Optical Materials, 2015, 46, 350-354.	3.6	22
8	Investigation of Hot Carrier Cooling Dynamics in Monolayer MoS <sub>2</sub> . Journal of Physical Chemistry Letters, 2021, 12, 861-868.	4.6	20
9	Pressure Effects on Optoelectronic Properties of CsPbBr <sub>3</sub> Nanocrystals. Journal of Physical Chemistry C, 2020, 124, 11239-11247.	3.1	18
10	Long single-crystalline $\sqrt{2}$ -Mn <sub>2</sub> O <sub>3</sub> nanowires: facile synthesis and catalytic properties. CrystEngComm, 2010, 12, 3229.	2.6	17
11	Studying of the photoluminescence characteristics of AgInS <sub>2</sub> quantum dots. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	13
12	Studying of the Biexciton Characteristics in Monolayer MoS <sub>2</sub> . Journal of Physical Chemistry C, 2020, 124, 1749-1754.	3.1	13
13	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
14	Concentration dependent carriers dynamics in CsPbBr <sub>3</sub> perovskite nanocrystals film with transient grating. Applied Physics Letters, 2017, 110, .	3.3	10
15	Photo-physical properties of an opto-electronic material based on triphenylamine and diphenylfumaronitrile. Journal of Luminescence, 2018, 204, 327-332.	3.1	9
16	Studying of photo-excitation dynamics and photodetector based on MoSe <sub>2</sub> nanosheet. Optical Materials, 2019, 98, 109429.	3.6	9
17	Ultrafast carrier dynamics in double perovskite Cs <sub>2</sub> AgBiBr <sub>6</sub> nanocrystals. Applied Physics Express, 2020, 13, 121003.	2.4	9
18	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

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19	Manipulating the Photoluminescence and Carrier Characteristics of Excited FAPbBr <sub>3</sub> Nanocrystals with Pressure. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1041-1047.	3.1	8
20	Scanning the optoelectronic properties of Cs <sub>4</sub> Cu <sub>x</sub> Ag <sub>2</sub> Sb <sub>2</sub> Cl <sub>12</sub> double perovskite nanocrystals: the role of Cu <sup>2+</sup> content. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5526-5533.	5.5	8
21	Influence of electronic acceptor on the excited state properties of push-pull chromophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 221-224.	3.9	7
22	Acceptor number-dependent ultrafast photo-physical properties of push-pull chromophores using time-resolved methods. <i>Chemical Physics Letters</i> , 2018, 698, 127-131.	2.6	7
23	Scanning Ultrafast Spectral Dynamics of Triphenylamine-Modified Vinylbenzothiazole Derivative: Role of Solvent Polarity and Temperature. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7603-7609.	4.6	7
24	Temperature-Dependent Ultrafast Spectral Response of FAPb(Br <sub>0.4</sub> IO <sub>0.6</sub> ) <sub>3</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1157-1166.	3.1	7
25	Fluorescence resonance energy transfer between conjugated molecules infiltrated in three-dimensional opal photonic crystals. <i>Journal of Luminescence</i> , 2015, 158, 281-285.	3.1	6
26	Temperature-dependent charge carrier dynamics investigation of heterostructured Cu <sub>2</sub> S-In <sub>2</sub> S <sub>3</sub> nanocrystals films using injected charge extraction by linearly increasing voltage. <i>Applied Physics Letters</i> , 2017, 110, 083104.	3.3	6
27	Role of tert-butyl in the linear and nonlinear optical property of push-pull chromophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 351, 240-244.	3.9	6
28	The nonlinear and linear photo-physical properties of $\pi$ -conjugated extensions based on difluoroboron $\beta^2$ -diketonate complexes with terminal triphenylamines: The role of vinyl unit. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 400-405.	3.9	6
29	Charge carrier dynamics investigation of CuInS <sub>2</sub> quantum dots films using injected charge extraction by linearly increasing voltage (i-CELIV): the role of ZnS Shell. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	5
30	Optical Property of Inorganic Halide Perovskite Hexagonal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25044-25054.	3.1	5
31	Layer number-dependent optoelectronic characteristics of quasi-2D PBA <sub>2</sub> (MAPbBr <sub>3</sub> ) <sub>n</sub> PbBr <sub>4</sub> perovskite films. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17033-17041.	5.5	5
32	Statistical computation of Boltzmann entropy and estimation of the optimal probability density function from statistical sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4211-4217.	4.4	4
33	Studying the emission complexity of conjugated molecules by manipulating the molecular aggregate state. <i>New Journal of Chemistry</i> , 2014, 38, 3885-3888.	2.8	4
34	The effects of different forms of viscosities on the formation of (pre-)transitional discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 323-330.	4.4	4
35	Photoevaporating transitional discs and molecular cloud cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1205-1212.	4.4	4
36	Studying of the pressure-induced photoluminescence characteristics of CsPbI <sub>3</sub> nanocrystals. <i>Optical Materials</i> , 2021, 122, 111648.	3.6	4

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37	Temperature-dependent and nonlinear optical response of double perovskite Cs <sub>2</sub> AgBiBr <sub>6</sub> nanocrystals. Applied Physics Letters, 2021, 119, .	3.3	4
38	π-Conjugated Unit-Dependent Optical Properties of Linear Conjugated Oligomers. Chinese Journal of Chemical Physics, 2014, 27, 315-320.	1.3	3
39	Studying of the photoluminescence of MEH-PPV-Au nanoparticles hybrid system. Journal of Modern Optics, 2015, 62, 387-391.	1.3	3
40	Studying of the photoluminescence characteristics of Au(0)@Au(I)-thiolate core-shell nanoclusters. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	3
41	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
42	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
43	Constraining the optical depth of galaxies and velocity bias with cross-correlation between the kinetic Sunyaev-Zeldovich effect and the peculiar velocity field. Monthly Notices of the Royal Astronomical Society, 2018, 475, 379-390.	4.4	3
44	Studying the charge carrier properties in CuInS <sub>2</sub> films via femtosecond transient absorption and nanosecond transient photocurrents. Chinese Physics B, 2019, 28, 056106.	1.4	3
45	Studying of photoluminescence property of carbazole unit based push-pull oligomers. AIP Advances, 2019, 9, 035113.	1.3	3
46	Scanning the optical properties of 4-(1,1-difluoro-1H-imidazo[4,5-b]thiazolo[3,2-c][1,3,2]oxazaborin-5-yl)-N,N-dimethylaniline in mono-disperse and aggregation systems. Journal of Materials Chemistry C, 2021, 9, 13266-13275.	3.5	3
47	Cooling and diffusion characteristics of a hot carrier in the monolayer WS <sub>2</sub> . Optics Express, 2021, 29, 7736.	3.4	3
48	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
49	Time evolution of entropy for spherical self-gravitating systems. International Journal of Modern Physics D, 2017, 26, 1750130.	2.1	2
50	An optical switch based on a Mn-CuInS thin film. Optical Materials, 2019, 98, 109504.	3.6	2
51	Study of the Photoluminescence Characteristics of 4,4'-((1,1-difluoro-1H-imidazo[4,5-b]thiazolo[3,2-c][1,3,2]oxazaborin-5-yl)bis(ethene-2,1-diyl))bis(N,N-dimethylaniline). Journal of Physical Chemistry B, 2021, 125, 4132-4140.	2.6	2
52	Theoretical and experimental studies on photophysical characteristics of low bandgap polymers. Chemical Research in Chinese Universities, 2014, 30, 513-517.	2.6	1
53	Investigation on Exciton Relaxation Kinetics of ZnCuInS/ZnSe/ZnS Quantum Dots by Time-Resolved Spectroscopy Techniques. Chinese Journal of Chemical Physics, 2015, 28, 54-58.	1.3	1
54	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

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55	Scanning the energy dissipation process of energetic materials based on excited state relaxation and vibration-vibration coupling. Chinese Physics B, 2018, 27, 104205.	1.4	1
56	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
57	On the Gravitational Instabilities of Protoplanetary Disks. Publications of the Astronomical Society of the Pacific, 2019, 131, 034301.	3.1	1
58	Carrier dynamics of CdS/MoS <sub>2</sub> heterostructure nanocrystal films affected by annealing effect. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	1
59	Theoretical and experimental investigation on photophysical properties of the $\pi$ -conjugated extension dependent fluorene based oligomers. Journal of Molecular Structure, 2013, 1054-1055, 89-93.	3.6	0
60	Theoretical and Experimental Study of Photophysical Characteristics between Poly(9,9-diocetylfluorene) and Poly(9,9-diocetylfluorene-cobenzothiadiazole). Chinese Journal of Chemical Physics, 2013, 26, 387-392.	1.3	0
61	Charge carrier dynamics in PDPP-F/PCBM heterojunction solar cells. Chemical Research in Chinese Universities, 2016, 32, 1034-1037.	2.6	0
62	Role of surface trapping state in the charge exchange characteristics of CdSe nanorod. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	0