

# Yu-Xiang Weng

## List of Publications by Year in descending order

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126  
papers

6,388  
citations

81900

39  
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69250

77  
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128  
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128  
docs citations

128  
times ranked

7920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial P-doped CdS with Long-lived Photogenerated Electrons for Photocatalytic Water Splitting without Sacrificial Agents. <i>Advanced Materials</i> , 2018, 30, 1705941.	21.0	438
2	Isolated single atom cobalt in Bi <sub>3</sub> O <sub>4</sub> Br atomic layers to trigger efficient CO <sub>2</sub> photoreduction. <i>Nature Communications</i> , 2019, 10, 2840.	12.8	327
3	Achieving overall water splitting using titanium dioxide-based photocatalysts of different phases. <i>Energy and Environmental Science</i> , 2015, 8, 2377-2382.	30.8	313
4	Defect-Tailoring Mediated Electron-Hole Separation in Single-Unit Cell Bi <sub>3</sub> O <sub>4</sub> Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. <i>Advanced Materials</i> , 2019, 31, e1807576.	21.0	311
5	Direct Z-scheme Hetero-phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11791-11795.	13.8	301
6	Self-Retracting Motion of Graphite Microflakes. <i>Physical Review Letters</i> , 2008, 100, 067205.	7.8	193
7	Interfacial Electron Transfer between Fe(II)(CN) <sub>6</sub> -and TiO <sub>2</sub> Nanoparticles: A Direct Electron Injection and Nonexponential Recombination. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10208-10215.	2.6	181
8	Back Electron Transfer from TiO <sub>2</sub> Nanoparticles to FeIII(CN) <sub>6</sub> : Origin of Non-Single-Exponential and Particle Size Independent Dynamics. <i>Journal of Physical Chemistry B</i> , 2000, 104, 93-104.	2.6	168
9	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub> Interface for Photoredox Reaction with Large Driving Force. <i>ACS Nano</i> , 2020, 14, 16689-16697.	14.6	167
10	Light-Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2759-2763.	13.8	151
11	Photo-assisted methanol synthesis via CO <sub>2</sub> reduction under ambient pressure over plasmonic Cu/ZnO catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 10-16.	20.2	142
12	Sub-3 nm Ultrafine Cu <sub>2</sub> O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2554-2560.	13.8	134
13	Band Alignment and Controllable Electron Migration between Rutile and Anatase TiO <sub>2</sub> . <i>Scientific Reports</i> , 2015, 5, 11482.	3.3	131
14	Surface-Binding Forms of Carboxylic Groups on Nanoparticulate TiO <sub>2</sub> Surface Studied by the Interface-Sensitive Transient Triplet-State Molecular Probe. <i>Journal of Physical Chemistry B</i> , 2003, 107, 4356-4363.	2.6	129
15	Visible-Light-Mediated Methane Activation for Steam Methane Reforming under Mild Conditions: A Case Study of Rh/TiO <sub>2</sub> Catalysts. <i>ACS Catalysis</i> , 2018, 8, 7556-7565.	11.2	126
16	Metal@semiconductor core-shell nanocrystals with atomically organized interfaces for efficient hot electron-mediated photocatalysis. <i>Nano Energy</i> , 2018, 48, 44-52.	16.0	118
17	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO <sub>2</sub> reduction. <i>Nano Energy</i> , 2021, 79, 105429.	16.0	117
18	Constructing electron delocalization channels in covalent organic frameworks powering CO <sub>2</sub> photoreduction in water. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119096.	20.2	113

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19	Unique Z-scheme carbonized polymer dots/Bi <sub>4</sub> O <sub>5</sub> Br <sub>2</sub> hybrids for efficiently boosting photocatalytic CO <sub>2</sub> reduction. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120182.	20.2	110
20	Surface Local Polarization Induced by Bismuth-Oxygen Vacancy Pairs Tuning Non-Covalent Interaction for CO <sub>2</sub> Photoreduction. <i>Advanced Energy Materials</i> , 2021, 11, 2102389.	19.5	109
21	Direct Z-scheme Hetero-phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 11917-11921.	2.0	108
22	One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500360.	3.7	107
23	A Long-Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO <sub>2</sub> for Efficient CO <sub>2</sub> Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8314-8318.	13.8	96
24	Particle-Size-Dependent Distribution of Carboxylate Adsorption Sites on TiO <sub>2</sub> Nanoparticle Surfaces: Insights into the Surface Modification of Nanostructured TiO <sub>2</sub> Electrodes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 15077-15083.	2.6	85
25	A Long-Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO <sub>2</sub> for Efficient CO <sub>2</sub> Photoreduction. <i>Angewandte Chemie</i> , 2016, 128, 8454-8458.	2.0	80
26	The Cyclophilin CYP20-2 Modulates the Conformation of BRASSINAZOLE-RESISTANT1, Which Binds the Promoter of FLOWERING LOCUS D to Regulate Flowering in Arabidopsis. <i>Plant Cell</i> , 2013, 25, 2504-2521.	6.6	78
27	Revealing the role of oxygen vacancies in bimetallic PbBiO <sub>2</sub> Br atomic layers for boosting photocatalytic CO <sub>2</sub> conversion. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119170.	20.2	77
28	Challenges facing an understanding of the nature of low-energy excited states in photosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1627-1640.	1.0	74
29	Black/red phosphorus quantum dots for photocatalytic water splitting: from a type I heterostructure to a Z-scheme system. <i>Chemical Communications</i> , 2019, 55, 12531-12534.	4.1	63
30	Deep Surface Trap Filling by Photoinduced Carriers and Interparticle Electron Transport Observed in TiO <sub>2</sub> Nanocrystalline Film with Time-Resolved Visible and Mid-IR Transient Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3762-3769.	3.1	61
31	Ultrafast Energy Dissipation via Coupling with Internal and External Phonons in Two-Dimensional MoS <sub>2</sub> . <i>ACS Nano</i> , 2018, 12, 8961-8969.	14.6	61
32	Determination of Midgap State Energy Levels of an Anatase TiO <sub>2</sub> Nanocrystal Film by Nanosecond Transient Infrared Absorption Excitation Energy Scanning Spectra. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18863-18869.	3.1	55
33	Building of peculiar heterostructure of Ag/two-dimensional fullerene shell-WO <sub>3-x</sub> for enhanced photoelectrochemical performance. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 381-390.	20.2	54
34	Photogenerated Intrinsic Free Carriers in Small-molecule Organic Semiconductors Visualized by Ultrafast Spectroscopy. <i>Scientific Reports</i> , 2015, 5, 17076.	3.3	52
35	White luminescent single-crystalline chlorinated graphene quantum dots. <i>Nanoscale Horizons</i> , 2020, 5, 928-933.	8.0	47
36	Broadly Tunable Plasmons in Doped Oxide Nanoparticles for Ultrafast and Broadband Mid-Infrared All-Optical Switching. <i>ACS Nano</i> , 2018, 12, 12770-12777.	14.6	46

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37	OsCIPK7 point mutation leads to conformation and kinase activity change for sensing cold response. <i>Journal of Integrative Plant Biology</i> , 2019, 61, 1194-1200.	8.5	46
38	The effects of pyridine derivative additives on interface processes at nanocrystalline TiO <sub>2</sub> thin film in dye-sensitized solar cells. <i>Surface and Interface Analysis</i> , 2007, 39, 809-816.	1.8	45
39	Fluorescence Quenching in a Perylenetetracarboxylic Diimide Trimer. <i>Journal of the American Chemical Society</i> , 2009, 131, 30-31.	13.7	44
40	Porphyrin-Appended Europium(III) Bis(phthalocyaninato) Complexes: Synthesis, Characterization, and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 4169-4177.	3.3	42
41	Ultrafast carrier transfer evidencing graphene electromagnetically enhanced ultrasensitive SERS in graphene/Ag-nanoparticles hybrid. <i>Carbon</i> , 2017, 122, 98-105.	10.3	40
42	Infrared Spectroscopic Discrimination between the Loop and $\alpha$ -Helices and Determination of the Loop Diffusion Kinetics by Temperature-Jump Time-Resolved Infrared Spectroscopy for Cytochrome c. <i>Biophysical Journal</i> , 2007, 93, 2756-2766.	0.5	39
43	Protein Structural Deformation Induced Lifetime Shortening of Photosynthetic Bacteria Light-Harvesting Complex LH2 Excited State. <i>Biophysical Journal</i> , 2005, 88, 4262-4273.	0.5	38
44	An organic nanowire waveguide exciton-polariton sub-microlaser and its photonic application. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2773-2778.	5.5	38
45	Plasmon-induced hot electron transfer in Au-ZnO heterogeneous nanorods for enhanced SERS. <i>Nanoscale</i> , 2019, 11, 11782-11788.	5.6	38
46	Probing Nonequilibrium Dynamics of Photoexcited Polarons on a Metal-Oxide Surface with Atomic Precision. <i>Physical Review Letters</i> , 2020, 124, 206801.	7.8	37
47	Light-Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. <i>Angewandte Chemie</i> , 2016, 128, 2809-2813.	2.0	36
48	Direct Observation of Interfacial Charge Recombination to the Excited-Triplet State in All-trans-Retinoic Acid Sensitized TiO <sub>2</sub> Nanoparticles by Femtosecond Time-Resolved Difference Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13688-13697.	2.6	33
49	Ultrasensitive femtosecond time-resolved fluorescence spectroscopy for relaxation processes by using parametric amplification. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1633.	2.1	33
50	Single-photon level ultrafast all-optical switching. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	33
51	Experimental Determination of Particle Size-Dependent Surface Charge Density for Silica Nanospheres. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23764-23771.	3.1	33
52	Photoinduced Electron and Energy Transfer in Dyads of Porphyrin Dimer and Perylene Tetracarboxylic Diimide. <i>ChemPhysChem</i> , 2008, 9, 1409-1415.	2.1	32
53	Hydrogen Bond Interaction Promotes Flash Energy Transport at MXene-Solvent Interface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10306-10314.	3.1	32
54	TiO <sub>2</sub> /CdS composite hollow spheres with controlled synthesis of platinum on the internal wall for the efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9065-9073.	7.1	31

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55	Boosting visible-light driven solar-fuel production over g-C <sub>3</sub> N <sub>4</sub> /tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118595.	20.2	31
56	In Situ Switching of Photoinduced Electron Transfer Direction by Regulating the Redox State in Fullerene-Based Dyads. <i>Journal of the American Chemical Society</i> , 2020, 142, 4411-4418.	13.7	31
57	Ultrafast carrier and phonon dynamics in few-layer 2H-MoTe <sub>2</sub> . <i>Journal of Chemical Physics</i> , 2019, 151, 114704.	3.0	30
58	Dynamical and allosteric regulation of photoprotection in light harvesting complex II. <i>Science China Chemistry</i> , 2020, 63, 1121-1133.	8.2	29
59	Particle-Size-Dependent Hydrophilicity of TiO <sub>2</sub> Nanoparticles Characterized by Marcus Reorganization Energy of Interfacial Charge Recombination. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8995-9000.	3.1	25
60	Transient spectrometer for near-IR fluorescence based on parametric frequency upconversion. <i>Applied Physics Letters</i> , 2006, 89, 061127.	3.3	24
61	Rules for Selecting Metal Cocatalyst Based on Charge Transfer and Separation Efficiency between ZnO Nanoparticles and Noble Metal Cocatalyst Ag/ Au/ Pt. <i>ChemCatChem</i> , 2020, 12, 3838-3842.	3.7	24
62	Highly efficient photocatalytic hydrogen production via porphyrin-fullerene supramolecular photocatalyst with donor-acceptor structure. <i>Chemical Engineering Journal</i> , 2022, 444, 136621.	12.7	22
63	Interfacial charge recombination via the triplet state? Mimicry of photoprotection in the photosynthetic process with a dye-sensitized TiO <sub>2</sub> solar cell reaction. <i>Chemical Physics Letters</i> , 2002, 355, 294-300.	2.6	20
64	The effect mechanism of 4-ethoxy-2-methylpyridine as an electrolyte additive on the performance of dye-sensitized solar cell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 326, 42-47.	4.7	20
65	Effects of finite laser pulse width on two-dimensional electronic spectroscopy. <i>Chemical Physics Letters</i> , 2017, 667, 79-86.	2.6	20
66	Black Phosphorus Quantum Dots Modified CdS Nanowires with Efficient Charge Separation for Enhanced Photocatalytic H <sub>2</sub> Evolution. <i>ChemCatChem</i> , 2021, 13, 1355-1361.	3.7	20
67	Multi-channel lock-in amplifier assisted femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy with efficient rejection of superfluorescence background. <i>Review of Scientific Instruments</i> , 2015, 86, 123113.	1.3	19
68	Effect of trap states on photocatalytic properties of boron-doped anatase TiO <sub>2</sub> microspheres studied by time-resolved infrared spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4349-4358.	2.8	19
69	Cyclophilin OsCYP20 <sup>Δ2</sup> with a novel variant integrates defense and cell elongation for chilling response in rice. <i>New Phytologist</i> , 2020, 225, 2453-2467.	7.3	19
70	Unique Cation Exchange in Nanocrystal Matrix via Surface Vacancy Engineering Overcoming Chemical Kinetic Energy Barriers. <i>CheM</i> , 2020, 6, 3086-3099.	11.7	18
71	Observation of delayed fluorescence in Cd <sub>x</sub> Se <sub>1-x</sub> nanobelts by femtosecond time-resolved fluorescence spectroscopy. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	17
72	Coupling of multi-vibrational modes in bacteriochlorophyll a in solution observed with 2D electronic spectroscopy. <i>Chemical Physics Letters</i> , 2017, 683, 591-597.	2.6	17

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73	Simulation of the Two-Dimensional Electronic Spectroscopy and Energy Transfer Dynamics of Light-Harvesting Complex II at Ambient Temperature. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4642-4652.	2.6	17
74	Characterization of ultra-weak fluorescence using picosecond non-collinear optical parametric amplifier. <i>Optics Communications</i> , 2009, 282, 1884-1887.	2.1	16
75	Observation of the hot-phonon effect in monolayer MoS <sub>2</sub> . <i>Nanotechnology</i> , 2020, 31, 235712.	2.6	16
76	Highly Efficient and Selective Aerobic Oxidation of Cinnamyl Alcohol under Visible Light over Pt-Loaded NaNbO <sub>3</sub> Enriched with Oxygen Vacancies by Ni Doping. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5422-5429.	6.7	14
77	Effect of laser intensity on the determination of intermolecular electron transfer rate constants—Observation of Marcus inverted region in photoinduced back electron transfer reactions. <i>Journal of Chemical Physics</i> , 1998, 109, 5948-5956.	3.0	13
78	Prolonged Excited-State Lifetime of Porphyrin Due to the Addition of Colloidal SiO <sub>2</sub> to Triton X-100 Micelles. <i>Langmuir</i> , 2004, 20, 1582-1586.	3.5	13
79	Intermolecular Hydrogen Bonds Formed Between Amino Acid Molecules in Aqueous Solution Investigated by Temperature-jump Nanosecond Time-resolved Transient Mid-IR Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2007, 20, 461-467.	1.3	13
80	Ultrafast energy transfer pathways in R-phycoerythrin from <i>Polysiphonia urceolata</i> . <i>Photosynthesis Research</i> , 2012, 111, 81-86.	2.9	13
81	Vibrational Relaxation Dynamics of a Semiconductor Copper(I) Thiocyanate (CuSCN) Film as a Hole-Transporting Layer. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 548-555.	4.6	13
82	Sub-3 nm Ultrafine Cu <sub>2</sub> O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie</i> , 2021, 133, 2584-2590.	2.0	13
83	Noncollinear optical parametric amplifier based femtosecond time-resolved transient fluorescence spectra: characterization and correction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 1627.	2.1	12
84	Thermal-Induced Dissociation and Unfolding of Homodimeric DsbC Revealed by Temperature-Jump Time-Resolved Infrared Spectra. <i>Biophysical Journal</i> , 2009, 97, 2811-2819.	0.5	12
85	Photo Retro-Diels-Alder Reactions. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8093-8099.	2.5	12
86	Shell Thickness Dependence of the Plasmon-Induced Hot-Electron Injection Process in Au@CdS Core-Shell Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19906-19913.	3.1	12
87	Photosynthetic Bacterial Light-Harvesting Antenna Complexes Adsorbed on Silica Nanoparticles Revealed by Silica Shell-Isolated Au Nanoparticle-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6993-6999.	3.1	11
88	Thermal-triggered Proteinquake Leads to Disassembly of DegP Hexamer as an Imperative Activation Step. <i>Scientific Reports</i> , 2014, 4, 4834.	3.3	11
89	Electronic State-Resolved Multimode-Coupled Vibrational Wavepackets in Oxazine 720 by Two-Dimensional Electronic Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9333-9342.	2.5	11
90	A Supercomplex, of Approximately 720 kDa and Composed of Both Photosystem Reaction Centers, Dissipates Excess Energy by PSI in Green Macroalgae Under Salt Stress. <i>Plant and Cell Physiology</i> , 2019, 60, 166-175.	3.1	9

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91	Correction of spectral distortion in two-dimensional electronic spectroscopy arising from the wedge-based delay line. <i>Optics Express</i> , 2019, 27, 15474.	3.4	9
92	Amphiphilic porphyrins in reverse micelles: the influence of the molar ratio of water to surfactant and side-chain length on their triplet-state lifetimes. A case study. Electronic supplementary information (ESI) available: Further experimental details. See <a href="http://www.rsc.org/suppdata/cp/b3/b302607h/">http://www.rsc.org/suppdata/cp/b3/b302607h/</a> . <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3660.	2.8	8
93	Photoinduced Charge Recombination at Dye-Sensitized Individual TiO <sub>2</sub> Nanoparticles and Its Application in Probe for the Local Polarity Change around the Nanoparticle in Solution. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4567-4577.	3.1	8
94	Construction of the Apparatus for Two Dimensional Electronic Spectroscopy and Characterization of the Instrument. <i>Chinese Journal of Chemical Physics</i> , 2015, 28, 509-517.	1.3	8
95	Influence of Water in the Photogeneration and Properties of a Bifunctional Quinone Methide. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11132-11141.	2.6	8
96	Observation of the Polaron Excited State in a Single-Crystal ZnO. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10274-10283.	3.1	8
97	Determination of the detection limit for a noncollinear optical parametric amplification-gated femtosecond time-resolved fluorescence spectrometer—Reply to the Comment on “Ultrasensitive femtosecond time-resolved fluorescence spectroscopy for relaxation processes by using parametric amplification”. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1627.	2.1	7
98	Filamentary resistance switching in phthalocyanine thin films observed by electroluminescence. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	7
99	Detection of Electronic Coherence via Two-Dimensional Electronic Spectroscopy in Condensed Phase. <i>Chinese Journal of Chemical Physics</i> , 2018, 31, 135-151.	1.3	7
100	Vibrational and vibronic coherences in the energy transfer process of light-harvesting complex II revealed by two-dimensional electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 156, 125101.	3.0	7
101	Direct Observation of Mass Transfer at Solid-Liquid Interface by Laser Flash Photolysis of the Interface Probe Molecules. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7713-7724.	2.6	6
102	Nonlinear chirp effect introduced by Kerr medium as optical switches in ultrafast time-resolved measurements. <i>Optics Letters</i> , 2009, 34, 1117.	3.3	6
103	Coherent photon interference elimination and spectral correction in femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. <i>Review of Scientific Instruments</i> , 2013, 84, 073105.	1.3	6
104	Transitional Process of Poly(N-isopropylacrylamide) in Deuterated Solution. <i>Chinese Journal of Chemical Physics</i> , 2009, 22, 447-452.	1.3	5
105	Ultrafast Energy Transfer in Artificial Antenna Molecule Measured by Transient Fluorescence Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2011, 24, 253-255.	1.3	5
106	A Q-switched Ho:YAG laser assisted nanosecond time-resolved T-jump transient mid-IR absorbance spectroscopy with high sensitivity. <i>Review of Scientific Instruments</i> , 2015, 86, 053105.	1.3	5
107	A transient molecular probe for characterizing the surface properties of TiO <sub>2</sub> nanoparticle in colloidal solution. <i>Science and Technology of Advanced Materials</i> , 2005, 6, 867-872.	6.1	4
108	Infrared Absorption Intensity Analysis as a New Tool for Investigation of Salt Effect on Proteins. <i>Chinese Journal of Chemical Physics</i> , 2009, 22, 556-562.	1.3	4

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109	Spatial distribution of carrier-envelope phase for femtosecond pulsed laser beam profile determined by asymmetric spectral interferometry. <i>Optics Letters</i> , 2010, 35, 2275.	3.3	4
110	Carrier Recombination-Induced Substrate Vibrations after Pulsed UV-Laser Photolysis of TiO <sub>2</sub> Thin Single-Crystal Plate and Nanoparticle Films. <i>Applied Spectroscopy</i> , 2013, 67, 506-512.	2.2	4
111	Determining Quasiparticle Bandgap of Two-Dimensional Transition Metal Dichalcogenides by Observation of Hot Carrier Relaxation Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 585-591.	4.6	4
112	Interference pattern generation and simulation in the single beam of a white light continuum. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1060-1064.	5.1	3
113	Silicon Nanoparticles: One-Step Synthesis of Superbright Water-Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80% ( <i>Adv. Mater. Interfaces</i> 16/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, .	3.7	3
114	Measuring the carrier dynamics of photocatalyst micrograins using the Christiansen effect. <i>Journal of Chemical Physics</i> , 2017, 146, 234202.	3.0	3
115	Real-time observation of vibrational quantum beat in condensed phase by 20 fs time-resolved spectroscopy. <i>Chinese Science Bulletin</i> , 2012, 57, 2895-2898.	0.7	3
116	The mechanism for thermal-enhanced chaperone-like activity of $\alpha$ -crystallin against UV irradiation-induced aggregation of $\beta$ <sup>3</sup> D-crystallin. <i>Biophysical Journal</i> , 2022, , .	0.5	3
117	Femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. <i>Scientia Sinica Chimica</i> , 2013, 43, 1713-1729.	0.4	2
118	Efficient Long-Range Triplet Exciton Transport by Metal-Metal Interaction at Room Temperature. <i>Angewandte Chemie</i> , 0, , .	2.0	2
119	Temporal Evolution of Photothermal-Induced Rayleigh Wave and Plate Deformation as an Interference in the Transient Kinetics of Photoinduced Carrier Recombination of a Rutile Titanium Dioxide Single Crystal. <i>Applied Spectroscopy</i> , 2014, 68, 1374-1380.	2.2	1
120	C60-modified mixed (phthalocyaninato)(porphyrinato) yttrium(III) double-decker complex: Synthesis, characterization, and photophysical properties. <i>Dyes and Pigments</i> , 2014, 102, 257-262.	3.7	1
121	Synchronous Measurement of Ultrafast Anisotropy Decay of the B850 in Bacterial LH2 Complex. <i>Chinese Physics Letters</i> , 2015, 32, 023101.	3.3	1
122	Spectrum Correction in Study of Solvation Dynamics by Fluorescence Non-collinear Optical Parametric Amplification Spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 147-150.	1.3	1
123	Lasing dynamics study by femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. <i>Chinese Physics B</i> , 2016, 25, 054207.	1.4	1
124	Structure-dependent wavelike energy transfer on pigment rings of individual light-harvesting-2 complexes from photosynthetic bacteria. <i>Physical Review E</i> , 2010, 81, 041917.	2.1	0
125	New method for fast morphological characterization of organic polycrystalline films by polarized optical microscopy. <i>Chinese Physics B</i> , 2015, 24, 076803.	1.4	0
126	Structural Reorganization of a Synthetic Mimic of the Oxygen-Evolving Center in Multiple Redox Transitions Revealed by Electrochemical FTIR Spectra. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9830-9839.	4.6	0