Yu-Xiang Weng

List of Publications by Year
in descending order

126 papers	6,388 citations	81900 39 h-index	69250 77 g-index
128 all docs	128 docs citations	128 times ranked	7920 citing authors

#	Article	IF	Citations
1	Vibrational and vibronic coherences in the energy transfer process of light-harvesting complex II revealed by two-dimensional electronic spectroscopy. Journal of Chemical Physics, 2022, 156, 125101.	3.0	7
2	Highly efficient photocatalytic hydrogen production via porphyrin-fullerene supramolecular photocatalyst with donor-acceptor structure. Chemical Engineering Journal, 2022, 444, 136621.	12.7	22
3	The mechanism for thermal-enhanced chaperone-like activity of Î±-crystallin against UV irradiation-induced aggregation of Î³D-crystallin. Biophysical Journal, 2022, , .	0.5	3
4	Cobalt nitride as a novel cocatalyst to boost photocatalytic CO2 reduction. Nano Energy, 2021, 79, 105429.	16.0	117
5	Subâ€3 nm Ultrafine Cu₂O for Visible Light Driven Nitrogen Fixation. Angewandte Chemie - International Edition, 2021, 60, 2554-2560.	13.8	134
6	Black Phosphorus Quantum Dots Modified CdS Nanowires with Efficient Charge Separation for Enhanced Photocatalytic H₂ Evolution. ChemCatChem, 2021, 13, 1355-1361.	3.7	20
7	Subâ€3 nm Ultrafine Cu 2 O for Visible Light Driven Nitrogen Fixation. Angewandte Chemie, 2021, 133, 2584-2590.	2.0	13
8	Highly Efficient and Selective Aerobic Oxidation of Cinnamyl Alcohol under Visible Light over Pt-Loaded NaNbO₃ Enriched with Oxygen Vacancies by Ni Doping. ACS Sustainable Chemistry and Engineering, 2021, 9, 5422-5429.	6.7	14
9	Observation of the Polaron Excited State in a Single-Crystal ZnO. Journal of Physical Chemistry C, 2021, 125, 10274-10283.	3.1	8
10	Shell Thickness Dependence of the Plasmon-Induced Hot-Electron Injection Process in Au@CdS Coreâ€“Shell Nanocrystals. Journal of Physical Chemistry C, 2021, 125, 19906-19913.	3.1	12
11	Surface Local Polarization Induced by Bismuthâ€Oxygen Vacancy Pairs Tuning Nonâ€Covalent Interaction for CO₂ Photoreduction. Advanced Energy Materials, 2021, 11, 2102389.	19.5	109
12	Unique Z-scheme carbonized polymer dots/Bi4O5Br2 hybrids for efficiently boosting photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 293, 120182.	20.2	110
13	Determining Quasiparticle Bandgap of Two-Dimensional Transition Metal Dichalcogenides by Observation of Hot Carrier Relaxation Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 585-591.	4.6	4
14	Structural Reorganization of a Synthetic Mimic of the Oxygen-Evolving Center in Multiple Redox Transitions Revealed by Electrochemical FTIR Spectra. Journal of Physical Chemistry Letters, 2021, 12, 9830-9839.	4.6	0
15	Vibrational Relaxation Dynamics of a Semiconductor Copper(I) Thiocyanate (CuSCN) Film as a Hole-Transporting Layer. Journal of Physical Chemistry Letters, 2020, 11, 548-555.	4.6	13
16	Boosting visible-light driven solar-fuel production over g-C3N4/tetra(4-carboxyphenyl)porphyrin iron(III) chloride hybrid photocatalyst via incorporation with carbon dots. Applied Catalysis B: Environmental, 2020, 265, 118595.	20.2	31
17	Cyclophilin OsCYP20â€2 with a novel variant integrates defense and cell elongation for chilling response in rice. New Phytologist, 2020, 225, 2453-2467.	7.3	19
18	Unique Cation Exchange in Nanocrystal Matrix via Surface Vacancy Engineering Overcoming Chemical Kinetic Energy Barriers. CheM, 2020, 6, 3086-3099.	11.7	18

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19	Electronic State-Resolved Multimode-Coupled Vibrational Wavepackets in Oxazine 720 by Two-Dimensional Electronic Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 9333-9342.	2.5	11
20	Probing Nonequilibrium Dynamics of Photoexcited Polarons on a Metal-Oxide Surface with Atomic Precision. Physical Review Letters, 2020, 124, 206801.	7.8	37
21	Constructing electron delocalization channels in covalent organic frameworks powering CO2 photoreduction in water. Applied Catalysis B: Environmental, 2020, 274, 119096.	20.2	113
22	Revealing the role of oxygen vacancies in bimetallic PbBiO2Br atomic layers for boosting photocatalytic CO2 conversion. Applied Catalysis B: Environmental, 2020, 277, 119170.	20.2	77
23	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr₃/Bi₂WO₆ Interface for Photoredox Reaction with Large Driving Force. ACS Nano, 2020, 14, 16689-16697.	14.6	167
24	Dynamical and allosteric regulation of photoprotection in light harvesting complex II. Science China Chemistry, 2020, 63, 1121-1133.	8.2	29
25	White luminescent single-crystalline chlorinated graphene quantum dots. Nanoscale Horizons, 2020, 5, 928-933.	8.0	47
26	In Situ Switching of Photoinduced Electron Transfer Direction by Regulating the Redox State in Fullerene-Based Dyads. Journal of the American Chemical Society, 2020, 142, 4411-4418.	13.7	31
27	Observation of the hot-phonon effect in monolayer MoS₂. Nanotechnology, 2020, 31, 235712.	2.6	16
28	Hydrogen Bond Interaction Promotes Flash Energy Transport at MXene-Solvent Interface. Journal of Physical Chemistry C, 2020, 124, 10306-10314.	3.1	32
29	Rules for Selecting Metal Cocatalyst Based on Charge Transfer and Separation Efficiency between ZnO Nanoparticles and Noble Metal Cocatalyst Ag/ Au/ Pt. ChemCatChem, 2020, 12, 3838-3842.	3.7	24
30	Isolated single atom cobalt in Bi3O4Br atomic layers to trigger efficient CO2 photoreduction. Nature Communications, 2019, 10, 2840.	12.8	327
31	Ultrafast carrier and phonon dynamics in few-layer 2Hâ€“MoTe2. Journal of Chemical Physics, 2019, 151, 114704.	3.0	30
32	Effect of trap states on photocatalytic properties of boron-doped anatase TiO₂ microspheres studied by time-resolved infrared spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 4349-4358.	2.8	19
33	Plasmon-induced hot electron transfer in Auâ€“ZnO heterogeneous nanorods for enhanced SERS. Nanoscale, 2019, 11, 11782-11788.	5.6	38
34	Direct Zâ€Scheme Heteroâ€phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 11791-11795.	13.8	301
35	Direct Zâ€Scheme Heteroâ€phase Junction of Black/Red Phosphorus for Photocatalytic Water Splitting. Angewandte Chemie, 2019, 131, 11917-11921.	2.0	108
36	Defectâ€Tailoring Mediated Electronâ€“Hole Separation in Singleâ€Unitâ€Cell Bi₃O₄Br Nanosheets for Boosting Photocatalytic Hydrogen Evolution and Nitrogen Fixation. Advanced Materials, 2019, 31, e1807576.	21.0	311

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37	OsCIPK7 pointâ€mutation leads to conformation and kinaseâ€activity change for sensing cold response. Journal of Integrative Plant Biology, 2019, 61, 1194-1200.	8.5	46
38	Photo-assisted methanol synthesis via CO2 reduction under ambient pressure over plasmonic Cu/ZnO catalysts. Applied Catalysis B: Environmental, 2019, 250, 10-16.	20.2	142
39	Black/red phosphorus quantum dots for photocatalytic water splitting: from a type I heterostructure to a Z-scheme system. Chemical Communications, 2019, 55, 12531-12534.	4.1	63
40	A Supercomplex, of Approximately 720 kDa and Composed of Both Photosystem Reaction Centers, Dissipates Excess Energy by PSI in Green Macroalgae Under Salt Stress. Plant and Cell Physiology, 2019, 60, 166-175.	3.1	9
41	Correction of spectral distortion in two-dimensional electronic spectroscopy arising from the wedge-based delay line. Optics Express, 2019, 27, 15474.	3.4	9
42	Simulation of the Two-Dimensional Electronic Spectroscopy and Energy Transfer Dynamics of Light-Harvesting Complex II at Ambient Temperature. Journal of Physical Chemistry B, 2018, 122, 4642-4652.	2.6	17
43	Interstitial Pâ€Doped CdS with Longâ€Lived Photogenerated Electrons for Photocatalytic Water Splitting without Sacrificial Agents. Advanced Materials, 2018, 30, 1705941.	21.0	438
44	Metal@semiconductor core-shell nanocrystals with atomically organized interfaces for efficient hot electron-mediated photocatalysis. Nano Energy, 2018, 48, 44-52.	16.0	118
45	Building of peculiar heterostructure of Ag/two-dimensional fullerene shell-WO3-x for enhanced photoelectrochemical performance. Applied Catalysis B: Environmental, 2018, 231, 381-390.	20.2	54
46	Detection of Electronic Coherence via Two-Dimensional Electronic Spectroscopy in Condensed Phase. Chinese Journal of Chemical Physics, 2018, 31, 135-151.	1.3	7
47	Broadly Tunable Plasmons in Doped Oxide Nanoparticles for Ultrafast and Broadband Mid-Infrared All-Optical Switching. ACS Nano, 2018, 12, 12770-12777.	14.6	46
48	Experimental Determination of Particle Size-Dependent Surface Charge Density for Silica Nanospheres. Journal of Physical Chemistry C, 2018, 122, 23764-23771.	3.1	33
49	Visible-Light-Mediated Methane Activation for Steam Methane Reforming under Mild Conditions: A Case Study of Rh/TiO₂ Catalysts. ACS Catalysis, 2018, 8, 7556-7565.	11.2	126
50	Ultrafast Energy Dissipation via Coupling with Internal and External Phonons in Two-Dimensional MoS₂. ACS Nano, 2018, 12, 8961-8969.	14.6	61
51	Ultrafast carrier transfer evidencing graphene electromagnetically enhanced ultrasensitive SERS in graphene/Ag-nanoparticles hybrid. Carbon, 2017, 122, 98-105.	10.3	40
52	Coupling of multi-vibrational modes in bacteriochlorophyll a in solution observed with 2D electronic spectroscopy. Chemical Physics Letters, 2017, 683, 591-597.	2.6	17
53	Effects of finite laser pulse width on two-dimensional electronic spectroscopy. Chemical Physics Letters, 2017, 667, 79-86.	2.6	20
54	Measuring the carrier dynamics of photocatalyst micrograins using the Christiansen effect. Journal of Chemical Physics, 2017, 146, 234202.	3.0	3

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55	Spectrum Correction in Study of Solvation Dynamics by Fluorescence Non-collinear Optical Parametric Amplification Spectroscopy. Chinese Journal of Chemical Physics, 2016, 29, 147-150.	1.3	1
56	Challenges facing an understanding of the nature of low-energy excited states in photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1627-1640.	1.0	74
57	A Longâ€Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO₂ for Efficient CO₂ Photoreduction. Angewandte Chemie, 2016, 128, 8454-8458.	2.0	80
58	Lightâ€Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. Angewandte Chemie - International Edition, 2016, 55, 2759-2763.	13.8	151
59	A Longâ€Lived Mononuclear Cyclopentadienyl Ruthenium Complex Grafted onto Anatase TiO₂ for Efficient CO₂ Photoreduction. Angewandte Chemie - International Edition, 2016, 55, 8314-8318.	13.8	96
60	Influence of Water in the Photogeneration and Properties of a Bifunctional Quinone Methide. Journal of Physical Chemistry B, 2016, 120, 11132-11141.	2.6	8
61	Lasing dynamics study by femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. Chinese Physics B, 2016, 25, 054207.	1.4	1
62	Lightâ€Harvesting Systems Based on Organic Nanocrystals To Mimic Chlorosomes. Angewandte Chemie, 2016, 128, 2809-2813.	2.0	36
63	Silicon Nanoparticles: Oneâ€Step Synthesis of Superbright Waterâ€Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80% (Adv. Mater. Interfaces 16/2015). Advanced Materials Interfaces, 2015, 2, .	3.7	3
64	Multi-channel lock-in amplifier assisted femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy with efficient rejection of superfluorescence background. Review of Scientific Instruments, 2015, 86, 123113.	1.3	19
65	Photogenerated Intrinsic Free Carriers in Small-molecule Organic Semiconductors Visualized by Ultrafast Spectroscopy. Scientific Reports, 2015, 5, 17076.	3.3	52
66	Oneâ€Step Synthesis of Superbright Waterâ€Soluble Silicon Nanoparticles with Photoluminescence Quantum Yield Exceeding 80%. Advanced Materials Interfaces, 2015, 2, 1500360.	3.7	107
67	Construction of the Apparatus for Two Dimensional Electronic Spectroscopy and Characterization of the Instrument. Chinese Journal of Chemical Physics, 2015, 28, 509-517.	1.3	8
68	Synchronous Measurement of Ultrafast Anisotropy Decay of the B850 in Bacterial LH2 Complex. Chinese Physics Letters, 2015, 32, 023101.	3.3	1
69	A Q-switched Ho:YAG laser assisted nanosecond time-resolved T-jump transient mid-IR absorbance spectroscopy with high sensitivity. Review of Scientific Instruments, 2015, 86, 053105.	1.3	5
70	Band Alignment and Controllable Electron Migration between Rutile and Anatase TiO2. Scientific Reports, 2015, 5, 11482.	3.3	131
71	Achieving overall water splitting using titanium dioxide-based photocatalysts of different phases. Energy and Environmental Science, 2015, 8, 2377-2382.	30.8	313
72	Filamentary resistance switching in phthalocyanine thin films observed by electroluminescence. Applied Physics Letters, 2015, 106, .	3.3	7

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73	New method for fast morphological characterization of organic polycrystalline films by polarized optical microscopy. Chinese Physics B, 2015, 24, 076803.	1.4	0
74	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. Applied Spectroscopy, 2014, 68, 1374-1380.	2.2	1
75	C60-modified mixed (phthalocyaninato)(porphyrinato) yttrium(III) double-decker complex: Synthesis, characterization, and photophysical properties. Dyes and Pigments, 2014, 102, 257-262.	3.7	1
76	An organic nanowire waveguide excitonâ€“polariton sub-microlaser and its photonic application. Journal of Materials Chemistry C, 2014, 2, 2773-2778.	5.5	38
77	Thermal-triggerd Proteinquake Leads to Disassembly of DegP Hexamer as an Imperative Activation Step. Scientific Reports, 2014, 4, 4834.	3.3	11
78	Determination of Midgap State Energy Levels of an Anatase TiO₂ Nanocrystal Film by Nanosecond Transient Infrared Absorption â€“ Excitation Energy Scanning Spectra. Journal of Physical Chemistry C, 2013, 117, 18863-18869.	3.1	55
79	TiO2/CdS composite hollow spheres with controlled synthesis of platinum on the internal wall for the efficient hydrogen evolution. International Journal of Hydrogen Energy, 2013, 38, 9065-9073.	7.1	31
80	The Cyclophilin CYP20-2 Modulates the Conformation of BRASSINAZOLE-RESISTANT1, Which Binds the Promoter of FLOWERING LOCUS D to Regulate Flowering in Arabidopsis. Plant Cell, 2013, 25, 2504-2521.	6.6	78
81	Coherent photon interference elimination and spectral correction in femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. Review of Scientific Instruments, 2013, 84, 073105.	1.3	6
82	Carrier Recombination-Incited Substrate Vibrations after Pulsed UV-Laser Photolysis of TiO₂ Thin Single-Crystal Plate and Nanoparticle Films. Applied Spectroscopy, 2013, 67, 506-512.	2.2	4
83	Femtosecond time-resolved fluorescence non-collinear optical parametric amplification spectroscopy. Scientia Sinica Chimica, 2013, 43, 1713-1729.	0.4	2
84	Photosynthetic Bacterial Light-Harvesting Antenna Complexes Adsorbed on Silica Nanoparticles Revealed by Silica Shell-Isolated Au Nanoparticle-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 6993-6999.	3.1	11
85	Ultrafast energy transfer pathways in R-phycoerythrin from Polysiphonia urceolata. Photosynthesis Research, 2012, 111, 81-86.	2.9	13
86	Real-time observation of vibrational quantum beat in condensed phase by 20 fs time-resolved spectroscopy. Chinese Science Bulletin, 2012, 57, 2895-2898.	0.7	3
87	Photo Retro-Dielsâ€“Alder Reactions. Journal of Physical Chemistry A, 2011, 115, 8093-8099.	2.5	12
88	Ultrafast Energy Transfer in Artificial Antenna Molecule Measured by Transient Fluorescence Spectroscopy. Chinese Journal of Chemical Physics, 2011, 24, 253-255.	1.3	5
89	Interference pattern generation and simulation in the single beam of a white light continuum. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1060-1064.	5.1	3
90	Structure-dependent wavelike energy transfer on pigment rings of individual light-harvesting-2 complexes from photosynthetic bacteria. Physical Review E, 2010, 81, 041917.	2.1	0

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91	Spatial distribution of carrier-envelope phase for femtosecond pulsed laser beam profile determined by asymmetric spectral interferometry. Optics Letters, 2010, 35, 2275.	3.3	4
92	Transitional Process of Ploy(N-isopropylacrylamide) in Deuterated Solution. Chinese Journal of Chemical Physics, 2009, 22, 447-452.	1.3	5
93	Infrared Absorption Intensity Analysis as a New Tool for Investigation of Salt Effect on Proteins. Chinese Journal of Chemical Physics, 2009, 22, 556-562.	1.3	4
94	Characterization of ultra-weak fluorescence using picosecond non-collinear optical parametric amplifier. Optics Communications, 2009, 282, 1884-1887.	2.1	16
95	Fluorescence Quenching in a Perylenetetracarboxylic Diimide Trimer. Journal of the American Chemical Society, 2009, 131, 30-31.	13.7	44
96	Nonlinear chirp effect introduced by Kerr medium as optical switches in ultrafast time-resolved measurements. Optics Letters, 2009, 34, 1117.	3.3	6
97	Noncollinear optical parametric amplifier based femtosecond time-resolved transient fluorescence spectra: characterization and correction. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1627.	2.1	12
98	Thermal-Induced Dissociation and Unfolding of Homodimeric DsbC Revealed by Temperature-Jump Time-Resolved Infrared Spectra. Biophysical Journal, 2009, 97, 2811-2819.	0.5	12
99	Photoinduced Electron and Energy Transfer in Dyads of Porphyrin Dimer and Perylene Tetracarboxylic Diimide. ChemPhysChem, 2008, 9, 1409-1415.	2.1	32
100	The effect mechanism of 4-ethoxy-2-methylpyridine as an electrolyte additive on the performance of dye-sensitized solar cell. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 326, 42-47.	4.7	20
101	Single-photon level ultrafast all-optical switching. Applied Physics Letters, 2008, 92, .	3.3	33
102	Determination of the detection limit for a noncollinear optical parametric amplification-gated femtosecond time-resolved fluorescence spectrometerâ€"Reply to the Comment on â€œUltrasensitive femtosecond time-resolved fluorescence spectroscopy for relaxation processes by using parametric amplificationâ€• Journal of the Optical Society of America B: Optical Physics, 2008, 25, 1627.	2.1	7
103	Particle-Size-Dependent Hydrophilicity of TiO₂ Nanoparticles Characterized by Marcus Reorganization Energy of Interfacial Charge Recombination. Journal of Physical Chemistry C, 2008, 112, 8995-9000.	3.1	25
104	Observation of delayed fluorescence in CdSxSe1â^'x nanobelts by femtosecond time-resolved fluorescence spectroscopy. Applied Physics Letters, 2008, 92, .	3.3	17
105	Self-Retracting Motion of Graphite Microflakes. Physical Review Letters, 2008, 100, 067205.	7.8	193
106	Intermolecular Hydrogen Bonds Formed Between Amino Acid Molecules in Aqueous Solution Investigated by Temperature-jump Nanosecond Time-resolved Transient Mid-IR Spectroscopy. Chinese Journal of Chemical Physics, 2007, 20, 461-467.	1.3	13
107	Ultrasensitive femtosecond time-resolved fluorescence spectroscopy for relaxation processes by using parametric amplification. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1633.	2.1	33
108	Photoinduced Charge Recombination at Dye-Sensitized Individual TiO2Nanoparticles and Its Application in Probe for the Local Polarity Change around the Nanoparticle in Solution. Journal of Physical Chemistry C, 2007, 111, 4567-4577.	3.1	8

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109	Deep Surface Trap Filling by Photoinduced Carriers and Interparticle Electron Transport Observed in TiO2 Nanocrystalline Film with Time-Resolved Visible and Mid-IR Transient Spectroscopies. Journal of Physical Chemistry C, 2007, 111, 3762-3769.	3.1	61
110	Infrared Spectroscopic Discrimination between the Loop and Î±-Helices and Determination of the Loop Diffusion Kinetics by Temperature-Jump Time-Resolved Infrared Spectroscopy for Cytochrome c. Biophysical Journal, 2007, 93, 2756-2766.	0.5	39
111	Porphyrin-Appended Europium(III) Bis(phthalocyaninato) Complexes: Synthesis, Characterization, and Photophysical Properties. Chemistry - A European Journal, 2007, 13, 4169-4177.	3.3	42
112	The effects of pyridine derivative additives on interface processes at nanocrystalline TiO₂ thin film in dyeâ€sensitized solar cells. Surface and Interface Analysis, 2007, 39, 809-816.	1.8	45
113	Transient spectrometer for near-IR fluorescence based on parametric frequency upconversion. Applied Physics Letters, 2006, 89, 061127.	3.3	24
114	A transient molecular probe for characterizing the surface properties of TiO2 nanoparticle in colloidal solution. Science and Technology of Advanced Materials, 2005, 6, 867-872.	6.1	4
115	Protein Structural Deformation Induced Lifetime Shortening of Photosynthetic Bacteria Light-Harvesting Complex LH2 Excited State. Biophysical Journal, 2005, 88, 4262-4273.	0.5	38
116	Prolonged Excited-State Lifetime of Porphyrin Due to the Addition of Colloidal SiO2to Triton X-100 Micelles. Langmuir, 2004, 20, 1582-1586.	3.5	13
117	Particle-Size-Dependent Distribution of Carboxylate Adsorption Sites on TiO2 Nanoparticle Surfaces:â€‰ Insights into the Surface Modification of Nanostructured TiO2 Electrodes. Journal of Physical Chemistry B, 2004, 108, 15077-15083.	2.6	85
118	Surface-Binding Forms of Carboxylic Groups on Nanoparticulate TiO2Surface Studied by the Interface-Sensitive Transient Triplet-State Molecular Probe. Journal of Physical Chemistry B, 2003, 107, 4356-4363.	2.6	129
119	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 studyElectronic supplementary information (ESI) available: Further experimental details. See http://www.rsc.org/suppdata/cp/b3/b302607h/. Physical Chemistry Chemical Physics, 2003, 5, 3660.	2.8	8
120	Direct Observation of Interfacial Charge Recombination to the Excited-Triplet State in All-trans-Retinoic Acid Sensitized TiO2Nanoparticles by Femtosecond Time-Resolved Difference Absorption Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 13688-13697.	2.6	33
121	Interfacial charge recombination via the triplet state? Mimicry of photoprotection in the photosynthetic process with a dye-sensitized TiO2 solar cell reaction. Chemical Physics Letters, 2002, 355, 294-300.	2.6	20
122	Back Electron Transfer from TiO2 Nanoparticles to FeIII(CN)63-:â€‰ Origin of Non-Single-Exponential and Particle Size Independent Dynamics. Journal of Physical Chemistry B, 2000, 104, 93-104.	2.6	168
123	Direct Observation of Mass Transfer at Solidâˆ’Liquid Interface by Laser Flash Photolysis of the Interface Probe Molecules. Journal of Physical Chemistry B, 2000, 104, 7713-7724.	2.6	6
124	Interfacial Electron Transfer between Fe(II)(CN)64-and TiO2Nanoparticles:Â Direct Electron Injection and Nonexponential Recombination. Journal of Physical Chemistry B, 1998, 102, 10208-10215.	2.6	181
125	Effect of laser intensity on the determination of intermolecular electron transfer rate constantsâ€”Observation of Marcus inverted region in photoinduced back electron transfer reactions. Journal of Chemical Physics, 1998, 109, 5948-5956.	3.0	13
126	Efficient Longâ€Range Triplet Exciton Transport by Metalâ€“Metal Interaction at Room Temperature. Angewandte Chemie, 0, , .	2.0	2