List of Publications by Year in descending order

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YINC-7HONC

#	Article	IF	CITATIONS
1	Ion Pairing and Molecular Orientation at Liquid/Liquid Interfaces: Self-Assembly and Function. Journal of Physical Chemistry B, 2022, 126, 2316-2323.	2.6	12
2	Squeezing Out Interfacial Solvation: The Role of Hydrogen-Bonding in the Structural and Orientational Freedom of Molecular Self-Assembly. Journal of Physical Chemistry Letters, 2022, 13, 2273-2280.	4.6	7
3	Physical Properties of Candidate X-ray Detector Material Rb ₄ Ag ₂ BiBr ₉ . Crystal Growth and Design, 2022, 22, 1066-1072.	3.0	12
4	Considerations in upconversion: A practical guide to sum-frequency generation spectrometer design and implementation. Biointerphases, 2022, 17, 021201.	1.6	4
5	lon Pairing Mediates Molecular Organization Across Liquid/Liquid Interfaces. ACS Applied Materials & Interfaces, 2021, 13, 33734-33743.	8.0	13
6	Nanoparticle-Induced Disorder at Complex Liquid–Liquid Interfaces: Effects of Curvature and Compositional Synergy on Functional Surfaces. ACS Nano, 2021, 15, 14285-14294.	14.6	20
7	Spatially co-registered wide-field nonlinear optical imaging of living and complex biosystems in a total internal reflection geometry. Analyst, The, 2021, 146, 3062-3072.	3.5	2
8	Nonlinear Optical Microscopy with Ultralow Quantum Light. Journal of Physical Chemistry A, 2021, 125, 8765-8776.	2.5	9
9	Insight into the Mechanisms Driving the Self-Assembly of Functional Interfaces: Moving from Lipids to Charged Amphiphilic Oligomers. Journal of the American Chemical Society, 2020, 142, 290-299.	13.7	27
10	Relationship between the Nature of Monovalent Cations and Charge Recombination in Metal Halide Perovskites. ACS Applied Energy Materials, 2020, 3, 1298-1304.	5.1	11
11	Connecting Femtosecond Transient Absorption Microscopy with Spatially Coregistered Time Averaged Optical Imaging Modalities. Journal of Physical Chemistry A, 2020, 124, 3915-3923.	2.5	4
12	Total internal reflection enabled wide-field coherent anti-Stokes Raman scattering microscopy. Optics Letters, 2020, 45, 3087.	3.3	0
13	CO2 Capture via Crystalline Hydrogen-Bonded Bicarbonate Dimers. CheM, 2019, 5, 719-730.	11.7	64
14	A new approach to vibrational sum frequency generation spectroscopy using near infrared pulse shaping. Review of Scientific Instruments, 2019, 90, 033106.	1.3	20
15	Probing ligand removal and ordering at quantum dot surfaces using vibrational sum frequency generation spectroscopy. Journal of Colloid and Interface Science, 2019, 537, 389-395.	9.4	15
16	Direct Evidence of Exciton–Exciton Annihilation in Single-Crystalline Organic Metal Halide Nanotube Assemblies. Journal of Physical Chemistry Letters, 2018, 9, 2164-2169.	4.6	15
17	Impact of Crystallographic Orientation Disorders on Electronic Heterogeneities in Metal Halide Perovskite Thin Films. Nano Letters, 2018, 18, 6271-6278.	9.1	22
18	Unraveling luminescence mechanisms in zero-dimensional halide perovskites. Journal of Materials Chemistry C, 2018, 6, 6398-6405.	5.5	168

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19	Flexible approach to vibrational sum-frequency generation using shaped near-infrared light. Optics Letters, 2018, 43, 2038.	3.3	34
20	Absolute Molecular Orientation of Isopropanol at Ceria (100) Surfaces: Insight into Catalytic Selectivity from the Interfacial Structure. Journal of Physical Chemistry C, 2017, 121, 14137-14146.	3.1	18
21	Insight into the Selectivity of Isopropanol Conversion at Strontium Titanate (100) Surfaces: A Combination Kinetic and Spectroscopic Study. ACS Catalysis, 2017, 7, 8118-8129.	11.2	19
22	Solvent Effect on the Photoinduced Structural Change of a Phosphorescent Molecular Butterfly. Chemistry - A European Journal, 2017, 23, 17734-17739.	3.3	4
23	Separating Bulk and Surface Contributions to Electronic Excited-State Processes in Hybrid Mixed Perovskite Thin Films via Multimodal All-Optical Imaging. Journal of Physical Chemistry Letters, 2017, 8, 3299-3305.	4.6	20
24	Dynamic defect correlations dominate activated electronic transport in SrTiO3. Scientific Reports, 2016, 6, 30141.	3.3	3
25	Imaging Electronic Trap States in Perovskite Thin Films with Combined Fluorescence and Femtosecond Transient Absorption Microscopy. Journal of Physical Chemistry Letters, 2016, 7, 1725-1731.	4.6	48
26	Adsorption, Ordering, and Local Environments of Surfactant-Encapsulated Polyoxometalate lons Probed at the Air–Water Interface. Langmuir, 2016, 32, 8116-8122.	3.5	21
27	Separation of Distinct Photoexcitation Species in Femtosecond Transient Absorption Microscopy. ACS Photonics, 2016, 3, 434-442.	6.6	18
28	Simplification of femtosecond transient absorption microscopy data from CH ₃ NH ₃ Pbl ₃ perovskite thin films into decay associated amplitude maps. Nanotechnology, 2016, 27, 114002.	2.6	11
29	Probing Interfacial Electronic States in CdSe Quantum Dots Using Second Harmonic Generation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 2752-2760.	3.1	18
30	Elucidation of Perovskite Film Micro-Orientations Using Two-Photon Total Internal Reflectance Fluorescence Microscopy. Journal of Physical Chemistry Letters, 2015, 6, 3283-3288.	4.6	24
31	Spatial Localization of Excitons and Charge Carriers in Hybrid Perovskite Thin Films. Journal of Physical Chemistry Letters, 2015, 6, 3041-3047.	4.6	59
32	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. Nature Communications, 2014, 5, 3180.	12.8	103
33	Electrochemical, Spectroscopic, and ¹ O ₂ Sensitization Characteristics of 10,10-Dimethylbiladiene Complexes of Zinc and Copper. Journal of Physical Chemistry A, 2014, 118, 10639-10648.	2.5	21
34	Reduction of CO2 using a rhenium bipyridine complex containing ancillary BODIPY moieties. Catalysis Today, 2014, 225, 149-157.	4.4	36
35	Synthesis, Electrochemistry, and Photophysics of a Family of Phlorin Macrocycles That Display Cooperative Fluoride Binding. Journal of the American Chemical Society, 2013, 135, 6601-6607.	13.7	61
36	Excited-State Dynamics of Water-Soluble Polythiophene Derivatives: Temperature and Side-Chain Length Effects. Journal of Physical Chemistry B, 2012, 116, 14451-14460.	2.6	20

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37	Exciton–Exciton Annihilation in Copper-phthalocyanine Single-Crystal Nanowires. Journal of Physical Chemistry C, 2012, 116, 21588-21593.	3.1	15
38	Exciton Dynamics in Semiconducting Carbon Nanotubes. Journal of Physical Chemistry B, 2011, 115, 5201-5211.	2.6	36
39	Pure optical dephasing dynamics in semiconducting single-walled carbon nanotubes. Journal of Chemical Physics, 2011, 134, 034504.	3.0	37
40	Ultrafast Spectroscopy of Midinfrared Internal Exciton Transitions in Separated Single-Walled Carbon Nanotubes. Physical Review Letters, 2010, 104, 177401.	7.8	34
41	Exciton annihilation and dephasing dynamics in semiconducting single-walled carbon nanotubes. Proceedings of SPIE, 2010, , .	0.8	1
42	Dephasing in semiconducting single-walled carbon nanotubes induced by exciton-exciton annihilation. Physical Review B, 2009, 79, .	3.2	21
43	Femtosecond Photon Echo Spectroscopy of Semiconducting Single-Walled Carbon Nanotubes. Nano Letters, 2008, 8, 3936-3941.	9.1	40
44	Vibrational Spectra and Dynamics of Electronically Excited Semiconducting Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2008, 112, 16030-16034.	2.6	2
45	Energy Transfer Dynamics in Light-Harvesting Assemblies Templated by the Tobacco Mosaic Virus Coat Protein. Journal of Physical Chemistry B, 2008, 112, 6887-6892.	2.6	61
46	Ultrafast Exciton Dephasing in Semiconducting Single-Walled Carbon Nanotubes. Physical Review Letters, 2008, 101, 217402.	7.8	40
47	Two-photon degradable supramolecular assemblies of linear-dendritic copolymers. Chemical Communications, 2007, , 2081-2082.	4.1	91
48	Temperature effects on femtosecond transient absorption kinetics of semiconducting single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2006, 8, 5689.	2.8	13
49	Exciton-exciton annihilation in single-walled carbon nanotubes. Physical Review B, 2006, 73, .	3.2	75
50	Ultrafast exciton dynamics in semiconducting single-walled carbon nanotubes¶. Molecular Physics, 2006, 104, 1179-1189.	1.7	24
51	Spectroscopy of zigzag single-walled carbon nanotubes: Comparing femtosecond transient absorption spectra withab initiocalculations. Physical Review B, 2006, 74, .	3.2	29
52	Ultrafast Fluorescence Depolarisation in the Yellow Fluorescent Protein due to Its Dimerisation. ChemPhysChem, 2005, 6, 1628-1632.	2.1	33
53	Femtosecond Spectroscopy of Optical Excitations in Single-Walled Carbon Nanotubes: Evidence for Exciton-Exciton Annihilation. Physical Review Letters, 2005, 94, 157402.	7.8	214
54	Exciton Binding Energy in Semiconducting Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 15671-15674.	2.6	110

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55	Synthetic Micelle Sensitive to IR Light via a Two-Photon Process. Journal of the American Chemical Society, 2005, 127, 9952-9953.	13.7	344
56	Ultrafast carrier dynamics in single-walled carbon nanotubes probed by femtosecond spectroscopy. Journal of Chemical Physics, 2004, 120, 3368-3373.	3.0	186
57	Femtosecond Pump-Probe Measurements of Solvation by Hydrogen-Bonding Interactions. ChemPhysChem, 2004, 5, 1315-1327.	2.1	87
58	Femtosecond solvation dynamics of hydrogen-bonding complexes. , 2004, , 185-188.		0
59	Photochemistry of Dianthrylsilanes: A Study of σ,Ï€*-Interactionâ€. Journal of the American Chemical Society, 2003, 125, 5107-5110.	13.7	33
60	Excitation Energy Transfer Dynamics and Excited-State Structure in Chlorosomes of Chlorobium phaeobacteroides. Biophysical Journal, 2003, 84, 1161-1179.	0.5	77
61	Evidence for direct carotenoid involvement in the regulation of photosynthetic light harvesting. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4377-4382.	7.1	199
62	Wavelength-dependent resonant homodyne and heterodyne transient grating spectroscopy with a diffractive optics method: Solvent effect on the third-order signal. Journal of Chemical Physics, 2002, 116, 9333-9340.	3.0	33
63	Different Real and Imaginary Components of the Resonant Third-Order Polarization Revealed by Optical Heterodyne Detected Transient Grating Spectroscopic Studies of Crystal Violet:Â Model and Experimentâ€. Journal of Physical Chemistry A, 2002, 106, 10755-10763.	2.5	21
64	Excitation energy transfer in chlorosomes of Chlorobium phaeobacteroides strain CL1401: the role of carotenoids. Photosynthesis Research, 2002, 71, 5-18.	2.9	35
65	Electron-transfer dyads suitable for novel self-assembled light-harvesting antenna/electron-transfer devices. Pure and Applied Chemistry, 2001, 73, 469-474.	1.9	27
66	Heterodyne detected transient grating spectroscopy in resonant and non-resonant systems using a simplified diffractive optics method. Chemical Physics Letters, 2001, 338, 254-262.	2.6	64
67	Kinetics of absorbance and anisotropy upon excited state relaxation in the reaction center core complex of a green sulfur bacterium. Photosynthesis Research, 2000, 65, 261-268.	2.9	2
68	Effect of Carotenoid Biosynthesis Inhibition on the Chlorosome Organization in Chlorobium phaeobacteroides Strain CL1401. Photochemistry and Photobiology, 2000, 71, 715.	2.5	13
69	Ground-state vibrational coherence in chlorosomes of the green sulfur photosynthetic bacterium Chlorobium phaeobacteroides. Chemical Physics Letters, 1999, 300, 465-472.	2.6	13
70	Femtosecond Energy-Transfer Dynamics between Bacteriochlorophylls in the B800â^'820 Antenna Complex of the Photosynthetic Purple Bacterium Rhodopseudomonas acidophila (Strain 7750). Journal of Physical Chemistry B, 1998, 102, 881-887.	2.6	51
71	Energy Transfer and Exciton Annihilation in the B800â^'850 Antenna Complex of the Photosynthetic Purple BacteriumRhodopseudomonas acidophila(Strain 10050). A Femtosecond Transient Absorption Study. Journal of Physical Chemistry B, 1997, 101, 1087-1095.	2.6	110
72	Bacteriochlorophyll organization and energy transfer kinetics in chlorosomes from Chloroflexus aurantiacus depend on the light regime during growth. Photosynthesis Research, 1996, 47, 157-165.	2.9	36

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73	Growth of ZnSe-ZnTe strained-layer supperlattices by atmospheric pressure MOCVD on transparent substrate CaF 2 (111). , 1991, , .		0