List of Publications by Year in descending order

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MINC-DE LI

#	Article	IF	CITATIONS
1	Size-dependent activity and selectivity of carbon dioxide photocatalytic reduction over platinum nanoparticles. Nature Communications, 2018, 9, 1252.	12.8	396
2	Direct Solarâ€ŧoâ€Electrochemical Energy Storage in a Functionalized Covalent Organic Framework. Angewandte Chemie - International Edition, 2018, 57, 12716-12720.	13.8	184
3	New Insights into Mn–Mn Coupling Interaction-Directed Photoluminescence Quenching Mechanism in Mn ²⁺ -Doped Semiconductors. Journal of the American Chemical Society, 2020, 142, 6649-6660.	13.7	85
4	Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelength‶unable Circularly Polarized Luminescence. Angewandte Chemie - International Edition, 2020, 59, 6915-6922.	13.8	71
5	Clean Substrates Prepared by Chemical Adsorption of Iodide Followed by Electrochemical Oxidation for Surface-Enhanced Raman Spectroscopic Study of Cell Membrane. Analytical Chemistry, 2008, 80, 5118-5125.	6.5	67
6	Boosting Photocatalytic Hydrogen Evolution Reaction Using Dual Plasmonic Antennas. ACS Catalysis, 2021, 11, 5047-5053.	11.2	62
7	Segregated Array Tailoring Chargeâ€Transfer Degree of Organic Cocrystal for the Efficient Nearâ€Infrared Emission beyond 760Ânm. Advanced Materials, 2022, 34, e2107169.	21.0	60
8	Arylruthenium(III) Porphyrin-Catalyzed C–H Oxidation and Epoxidation at Room Temperature and [Ru ^V (Por)(O)(Ph)] Intermediate by Spectroscopic Analysis and Density Functional Theory Calculations. Journal of the American Chemical Society, 2018, 140, 7032-7042.	13.7	59
9	Dynamics of Oxygen-Independent Photocleavage of Blebbistatin as a One-Photon Blue or Two-Photon Near-Infrared Light-Gated Hydroxyl Radical Photocage. Journal of the American Chemical Society, 2018, 140, 15957-15968.	13.7	58
10	Direct Solarâ€ŧoâ€Electrochemical Energy Storage in a Functionalized Covalent Organic Framework. Angewandte Chemie, 2018, 130, 12898-12902.	2.0	56
11	Crosstalkâ€Free Patterning of Cooperativeâ€Thermoresponse Images by the Synergy of the AIEgen with the Liquid Crystal. Angewandte Chemie - International Edition, 2020, 59, 10066-10072.	13.8	56
12	Defect-Related Broadband Emission in Two-Dimensional Lead Bromide Perovskite Microsheets. Journal of Physical Chemistry Letters, 2020, 11, 8157-8163.	4.6	54
13	Breaking Forbidden Transitions for Emission of Self-Trapped Excitons in Two Dimensional (F ₂ CHCH ₂ NH ₃) ₂ CdBr ₄ Perovskite through Pb Alloying. Journal of Physical Chemistry Letters, 2020, 11, 199-205.	4.6	50
14	Highly Efficient Photocatalytic Conversion of CO ₂ to CO Catalyzed by Surfaceâ€Ligandâ€Removed and Cdâ€Rich CdSe Quantum Dots. ChemSusChem, 2019, 12, 4617-4622.	6.8	48
15	Ultrafast Study of Exciton Transfer in Sb(III)-Doped Two-Dimensional [NH ₃ (CH ₂) ₄ NH ₃]CdBr ₄ Perovskite. ACS Nano, 2021, 15, 15354-15361.	14.6	47
16	Luminescent ruffled iridium(<scp>iii</scp>) porphyrin complexes containing N-heterocyclic carbene ligands: structures, spectroscopies and potent antitumor activities under dark and light irradiation conditions. Chemical Science, 2019, 10, 293-309.	7.4	45
17	Water―and Acidâ€Mediated Excitedâ€State Intramolecular Proton Transfer and Decarboxylation Reactions of Ketoprofen in Waterâ€Rich and Acidic Aqueous Solutions. Chemistry - A European Journal, 2011, 17, 10935-10950.	3.3	43
18	Time-Resolved Resonance Raman and Density Functional Theory Investigation of the Photochemistry of (<i>S</i>)-Ketoprofen. Journal of Physical Chemistry B, 2009, 113, 10530-10539.	2.6	42

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19	A new tetraphenylethene-based Schiff base: two crystalline polymorphs exhibiting totally different photochromic and fluorescence properties. Journal of Materials Chemistry C, 2019, 7, 7053-7060.	5.5	41
20	Efficient 3D printing via photooxidation of ketocoumarin based photopolymerization. Nature Communications, 2021, 12, 2873.	12.8	41
21	Direct Observation of Triplet State Mediated Decarboxylation of the Neutral and Anion Forms of Ketoprofen in Water-Rich, Acidic, and PBS Solutions. Journal of Physical Chemistry B, 2012, 116, 5882-5887.	2.6	37
22	Boosting the Optoelectronic Performance by Regulating Exciton Behaviors in a Porous Semiconductive Metal–Organic Framework. Journal of the American Chemical Society, 2022, 144, 2189-2196.	13.7	37
23	Water concentration dependent photochemistry of ketoprofen in aqueous solutions. Physical Chemistry Chemical Physics, 2010, 12, 4800.	2.8	35
24	Direct Detection of the Open-Shell Singlet Phenyloxenium Ion: An Atom-Centered Diradical Reacts as an Electrophile. Journal of the American Chemical Society, 2017, 139, 15054-15059.	13.7	33
25	Unprecedented Improvement of Near-Infrared Photothermal Conversion Efficiency to 87.2% by Ultrafast Non-radiative Decay of Excited States of Self-Assembly Cocrystal. Journal of Physical Chemistry Letters, 2021, 12, 5796-5801.	4.6	32
26	How and When Does an Unusual and Efficient Photoredox Reaction of 2-(1-Hydroxyethyl) 9,10-Anthraquinone Occur? A Combined Time-Resolved Spectroscopic and DFT Study. Journal of the American Chemical Society, 2012, 134, 14858-14868.	13.7	29
27	Solution-Processed in Situ Growth of CuInS ₂ Nanoparticle Films for Efficient Planar Heterojunction Solar Cells with a Dual Nature of Charge Generation. ACS Applied Energy Materials, 2019, 2, 5231-5242.	5.1	29
28	Discovery of and insights into one-photon and two-photon excited ACQ-to-AIE conversion <i>via</i> positional isomerization. Journal of Materials Chemistry C, 2021, 9, 11679-11689.	5.5	29
29	Time-Resolved Resonance Raman and Density Functional Theory Investigation of the Photoreactions of Benzophenone in Aqueous Solution. Journal of Physical Chemistry A, 2009, 113, 3344-3352.	2.5	28
30	Unraveling the Mechanism of the Photodeprotection Reaction of 8â€Bromo―and 8â€Chloroâ€7â€hydroxyquinoline Caged Acetates. Chemistry - A European Journal, 2012, 18, 6854-6865.	3.3	27
31	Time-Resolved Spectroscopic and Density Functional Theory Study of the Photochemistry of Irgacure-2959 in an Aqueous Solution. Journal of Physical Chemistry A, 2014, 118, 8701-8707.	2.5	27
32	Unveiling the Photophysical and Photochemical Reaction Process of Naproxen via Ultrafast Femtosecond to Nanosecond Laser Flash Photolysis. Chemical Research in Toxicology, 2019, 32, 613-620.	3.3	27
33	Resonance Raman Spectroscopic and Theoretical Investigation of the Excited State Proton Transfer Reaction Dynamics of 2-Thiopyridone. Journal of Physical Chemistry B, 2011, 115, 8266-8277.	2.6	25
34	Photoresponsive triazole-based donor–acceptor molecules: color change and heat/air-stable diradicals. Journal of Materials Chemistry C, 2019, 7, 3100-3104.	5.5	25
35	Photoconversion of β-Lapachone to α-Lapachone via a Protonation-Assisted Singlet Excited State Pathway in Aqueous Solution: A Time-Resolved Spectroscopic Study. Journal of Organic Chemistry, 2015, 80, 7340-7350.	3.2	24
36	Revealing Ultrafast Energy Dissipation Pathway of Nanocrystalline Sunscreens Oxybenzone and Dioxybenzone. Journal of Physical Chemistry Letters, 2019, 10, 6499-6503.	4.6	23

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37	Direct Spectroscopic Detection and EPR Investigation of a Ground State Triplet Phenyl Oxenium Ion. Journal of the American Chemical Society, 2015, 137, 10391-10398.	13.7	22
38	Structure and spectroscopic characterization of tetrathia- and tetraselena[8]circulenes as a new class of polyaromatic heterocycles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 247-261.	3.9	22
39	Tuning the Triplet Excited State of Bis(dipyrrin) Zinc(II) Complexes: Symmetry Breaking Charge Transfer Architecture with Exceptionally Long Lived Triplet State for Upconversion. Chemistry - A European Journal, 2020, 26, 14912-14918.	3.3	22
40	Water-stimuli-responsive dynamic fluorescent switch from Kasha's rule to anti-Kasha's rule based on a tetraphenylethene substituted Schiff base. Chemical Engineering Journal, 2021, 405, 127000.	12.7	22
41	Tailormade Nonradiative Rotation Tuning of the Near-Infrared Photothermal Conversion in Donor–Acceptor Cocrystals. Journal of Physical Chemistry C, 2021, 125, 25462-25469.	3.1	22
42	A biomimetic self-assembled cobaloxime@CdS/rGO hybrid for boosting photocatalytic H ₂ production. Chemical Communications, 2019, 55, 14490-14493.	4.1	21
43	Reaction Mechanisms and Structural Characterization of the Reactive Intermediates Observed after the Photolysis of 3-(Hydroxymethyl)benzophenone in Acetonitrile, 2-Propanol, and Neutral and Acidic Aqueous Solutions. Journal of Organic Chemistry, 2011, 76, 3710-3719.	3.2	19
44	Direct Spectroscopic Observation of Closed-Shell Singlet, Open-Shell Singlet, and Triplet p-Biphenylyloxenium Ion. Journal of the American Chemical Society, 2014, 136, 12364-12370.	13.7	19
45	Tuning the SOCT-ISC of bodipy based photosentizers by introducing different electron donating groups and its application in triplet-triplet-annihilation upconversion. Dyes and Pigments, 2020, 173, 108003.	3.7	19
46	Single-Component MLCT-Active Photodetecting Material Based on a Two-Dimensional Coordination Polymer. CCS Chemistry, 2020, 2, 655-662.	7.8	19
47	Boosting Near-Infrared Photothermal Conversion by Intermolecular Interactions in Isomeric Cocrystals. ACS Applied Materials & amp; Interfaces, 2022, 14, 28781-28791.	8.0	19
48	Ketyl Radical Formation via Proton-Coupled Electron Transfer in an Aqueous Solution versus Hydrogen Atom Transfer in Isopropanol after Photoexcitation of Aromatic Carbonyl Compounds. Journal of Organic Chemistry, 2016, 81, 5330-5336.	3.2	18
49	Recent advances in γ-C(sp3)–H bond activation of amides, aliphatic amines, sulfanilamides and amino acids. Coordination Chemistry Reviews, 2022, 455, 214255.	18.8	18
50	Simultaneously enhancing aggregation-induced emission and boosting two-photon absorption of perylene diimides through regioisomerization. Journal of Materials Chemistry C, 2022, 10, 7039-7048.	5.5	18
51	Effect of ketyl radical on the structure and performance of holographic polymer/liquid-crystal composites. Science China Materials, 2019, 62, 1921-1933.	6.3	17
52	Precise Ligand Tuning Emission of Mn-Doped CsPbCl ₃ Nanocrystals by the Amount of Sulfonates. Journal of Physical Chemistry Letters, 2021, 12, 1838-1846.	4.6	17
53	Longâ€Range Charge Transportation Induced Organic Host–Guest Dual Color Long Persistent Luminescence. Advanced Optical Materials, 2021, 9, 2101337.	7.3	17
54	Phototriggered Release of a Leaving Group in Ketoprofen Derivatives via a Benzylic Carbanion Pathway, But not via a Biradical Pathway. Chemistry - A European Journal, 2013, 19, 11241-11250.	3.3	16

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55	Multiâ€Metal Nanocluster Assisted Cuâ€Gaâ€6n Triâ€Doping for Enhanced Photoelectrochemical Water Splitting of BiVO ₄ Film. Advanced Materials Interfaces, 2020, 7, 2000016.	3.7	16
56	Insight into Intermolecular Charge Transfer Determined by Two Packing Mode Cocrystals. Journal of Physical Chemistry C, 2020, 124, 17744-17751.	3.1	14
57	Coordination disk-type nano-Saturn complexes. Chemical Communications, 2020, 56, 3325-3328.	4.1	14
58	Assembling CdSe Quantum Dots into Polymeric Micelles Formed by a Polyethylenimine-Based Amphiphilic Polymer to Enhance Efficiency and Selectivity of CO ₂ -to-CO Photoreduction in Water. ACS Applied Materials & Interfaces, 2022, 14, 29945-29955.	8.0	14
59	The effect of one-atom substitution on the photophysical properties and electron spin polarization: Intersystem crossing of compact orthogonal perylene/phenoxazine electron donor/acceptor dyad. Journal of Chemical Physics, 2020, 153, 184312.	3.0	13
60	Comparison of the Absorption, Emission, and Resonance Raman Spectra of 7-Hydroxyquinoline and 8-Bromo-7-Hydroxyquinoline Caged Acetate. Journal of Physical Chemistry A, 2011, 115, 11632-11640.	2.5	12
61	Tunable surface plasmon polaritons and ultrafast dynamics in 2D nanohole arrays. Nanoscale, 2019, 11, 16428-16436.	5.6	12
62	Disentangling Multiple Effects on Excitedâ€State Intramolecular Charge Transfer among Asymmetrical Tripartite PPIâ€TPA/PCz Triads. Chemistry - A European Journal, 2021, 27, 1337-1345.	3.3	12
63	Near-Infrared Light Triggered a High Temperature Utilizing Donor–Acceptor Cocrystals. Journal of Physical Chemistry Letters, 2022, 13, 6571-6579.	4.6	12
64	Investigation of the Role of Protonation of Benzophenone and Its Derivatives in Acidic Aqueous Solutions Using Time-Resolved Resonance Raman Spectroscopy: How Are Ketyl Radicals Formed in Aqueous Solutions?. Journal of Physical Chemistry B, 2015, 119, 2241-2252.	2.6	11
65	Ultrafast time-resolved transient infrared and resonance Raman spectroscopic study of the photo-deprotection and rearrangement reactions of p-hydroxyphenacyl caged phosphates. Faraday Discussions, 0, 145, 171-183.	3.2	10
66	Segmented Ag–Au–Ag Heterojunction Nanorods: Pressure-Assisted Aqueous-Phase Synthesis and Engineered Femtosecond-to-Nanosecond Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 989-996.	4.6	9
67	Unprecedentedly Ultrafast Dynamics of Excited States of Câ•C Photoswitching Molecules in Nanocrystals and Microcrystals. Journal of Physical Chemistry Letters, 2021, 12, 41-48.	4.6	9
68	Benzothiadiazole based "hot exciton'' materials for red electroluminescence with the maximum external quantum efficiency approaching 10%. Journal of Materials Chemistry C, 2022, 10, 8684-8693.	5.5	9
69	Unravelling the Reaction Mechanism for the Fast Photocyclisation of 2â€Benzoylpyridine in Aqueous Solvent by Timeâ€Resolved Spectroscopy and Density Functional Theory Calculations. Chemistry - A European Journal, 2010, 16, 6961-6972.	3.3	8
70	<i>meta</i> versus <i>para</i> Substitution: How Does C–H Activation in a Methyl Group Occur in 3-Methylbenzophenone but Does Not Take Place in 4-Methylbenzophenone?. Journal of Organic Chemistry, 2013, 78, 4867-4878.	3.2	8
71	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
72	Crosstalkâ€Free Patterning of Cooperativeâ€Thermoresponse Images by the Synergy of the AlEgen with the Liquid Crystal. Angewandte Chemie, 2020, 132, 10152-10158.	2.0	8

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73	Manipulation of Ultrafast Nonlinear Optical Response Based on Surface Plasmon Resonance. Advanced Optical Materials, 2021, 9, 2100847.	7.3	8
74	Charge Transfer, Intersystem Crossing, and Electron Spin Dynamics in a Compact Perylenemonoimide-Phenoxazine Electron Donor–Acceptor Dyad. Journal of Physical Chemistry B, 2021, 125, 12859-12875.	2.6	8
75	Strong visible light-absorbing BODIPY-based Cu(<scp>i</scp>) cyclic trinuclear sensitizer for photocatalysis. Inorganic Chemistry Frontiers, 2022, 9, 2928-2937.	6.0	7
76	Insight into Luminescence Enhancement of Alkaline-Earth Metal Ion-Doped CsPbBr ₃ Perovskite Nanocrystals. Journal of Physical Chemistry C, 2022, 126, 7588-7595.	3.1	7
77	Charge Separation and Intersystem Crossing in Homo- and Hetero-Compact Naphthalimide Dimers. Journal of Physical Chemistry B, 2022, 126, 4364-4378.	2.6	7
78	A time-resolved spectroscopy and density functional theory study of the solvent dependent photochemistry of fenofibric acid. Physical Chemistry Chemical Physics, 2013, 15, 1557-1568.	2.8	6
79	Time-Resolved Spectroscopic Study of the Photochemistry of Tiaprofenic Acid in a Neutral Phosphate Buffered Aqueous Solution from Femtoseconds to Final Products. Journal of Physical Chemistry B, 2013, 117, 811-824.	2.6	6
80	Femtosecond Transient Absorption Spectroscopy Study of the Early Events of Norfloxacin in Aqueous Solutions with Varying pH Values. Journal of Physical Chemistry B, 2014, 118, 13458-13467.	2.6	6
81	Ultrafast study of substituted-position-dependent excited-state evolution in benzophenone-carbazole dyads. Physical Chemistry Chemical Physics, 2022, 24, 14623-14630.	2.8	6
82	Time-Resolved Resonance Raman Study of the Effect of pH on the Photoreactions of 3-Benzoylpyridine in Aqueous Solution. Journal of Physical Chemistry A, 2009, 113, 12215-12224.	2.5	5
83	Femtosecond Transient Absorption, Nanosecond Time-Resolved Resonance Raman, and Density Functional Theory Study of Fenofibric Acid in Acetonitrile and Isopropyl Alcohol Solvents. Journal of Physical Chemistry A, 2011, 115, 14168-14174.	2.5	5
84	Enhanced Drug Photosafety by Interchromophoric Interaction Owing to Intramolecular Charge Separation. Chemistry - A European Journal, 2018, 24, 6654-6659.	3.3	5
85	Room-Temperature Stable Noncovalent Charge-Transfer Dianion Biradical to Produce Singlet Oxygen by Visible or Near-Infrared Light Photoexcitation. Journal of Physical Chemistry Letters, 2021, 12, 4306-4312.	4.6	5
86	Unveiling the Ï€-Chain Effect on Charge Transfer and Charge Recombination Among Donorâ^'π–Acceptor Material Systems. Journal of Physical Chemistry C, 2022, 126, 1076-1084.	3.1	5
87	Efficient symmetry breaking spin–orbit charge transfer-induced intersystem crossing in compact orthogonal perylene-phenothiazine or -phenoxazine triads and observation of the delayed fluorescence. Journal of Materials Chemistry C, 2022, 10, 9758-9772.	5.5	5
88	Detection and Identification of Reaction Intermediates in the Photorearrangement of Pyridazine <i>N</i> -Oxide: Discrepancies between Experiment and Theory. Journal of Organic Chemistry, 2019, 84, 10032-10039.	3.2	4
89	Charge separation, charge recombination and intersystem crossing in orthogonal naphthalimide–perylene electron donor/acceptor dyad. Photochemical and Photobiological Sciences, 2021, 20, 69-85.	2.9	4
90	Inhomogeneity of fluorescence lifetime and intensity in a plasmonic nanocavity. Nano Today, 2022, 45, 101548.	11.9	4

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91	Ultrafast Time Resolved Spectroscopic Studies on the Generation of the Ketyl-Sugar Biradical by Intramolecular Hydrogen Abstraction among Ketoprofen and Purine Nucleoside Dyads. Journal of Organic Chemistry, 2015, 80, 3462-3470.	3.2	3
92	How Does the C–Halogen Bond Break in the Photosubstitution Reaction of 3-Fluorobenzophenone in Acidic Aqueous Solutions?. Journal of Organic Chemistry, 2015, 80, 9425-9436.	3.2	3
93	Competition between " <i>Meta</i> Effect―Photochemical Reactions of Selected Benzophenone Compounds Having Two Different Substituents at <i>Meta</i> Positions. Journal of Organic Chemistry, 2016, 81, 9553-9559.	3.2	3
94	Time-Resolved Spectroscopic Study of the Defluorination and Cyclization Reactions of Lomefloxacin in Water. Journal of Physical Chemistry B, 2017, 121, 4512-4520.	2.6	3
95	Revealing how proton transfer process of 2-hydroxylbenzophenones affected by the intermolecular hydrogen bond with different para-substituted groups. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 422, 113553.	3.9	3
96	Zr (IV) metal-organic framework based cadmium sulfide for enhanced photocatalytic water splitting. Journal of Environmental Chemical Engineering, 2022, 10, 107820.	6.7	3
97	Revealing the Photophysical and Photochemical Reaction Processes of Carprofen in Different Solutions via Ultrafast Femtosecond to Nanosecond Transient Absorption. Chemical Research in Toxicology, 2022, 35, 89-98.	3.3	2
98	Blue or Near-Infrared Light-Triggered Release of Halogens via Blebbistatin Photocage. Journal of Physical Chemistry B, 2022, 126, 3338-3346.	2.6	2
99	Substituent Effects on the Photodeprotection Reactions of Selected Ketoprofen Derivatives in Phosphate Buffered Aqueous Solutions. Scientific Reports, 2016, 6, 21606.	3.3	1
100	pH Dependent Photodeprotection of Formaldehyde: Homolytic C–C Scission in Acidic Aqueous Solution versus Heterolytic C–C Scission in Basic Aqueous Solution. Journal of Organic Chemistry, 2017, 82, 3425-3431.	3.2	1
101	Direct time-resolved spectroscopic investigation of intramolecular hydrogen atom transfer of deoxyblebbistatin. Chemical Physics Letters, 2017, 683, 431-435.	2.6	1
102	Priority of Mixed Diamine Ligands in Cobalt Dithiolene Complex-Catalyzed H2 Evolution: A Theoretical Study. Inorganic Chemistry, 2021, 60, 6688-6695.	4.0	1
103	Unravelling the Fast Photocyclisation Reaction Mechanism(s) of 2-Benzoylpyridine in Aqueous Solvent by Time-resolved Spectroscopy. , 2010, , .		0
104	Singlet versus Triplet Excited State Mediated Photoinduced Dehalogenation Reactions of Itraconazole in Acetonitrile and Aqueous Solutions. Journal of Physical Chemistry B, 2017, 121, 2712-2720.	2.6	0
105	Theoretical investigation of the α-substitution effect on γ-C(sp ³)–H arylation of amines: structure–reactivity relationship (SRR) studies. Organic Chemistry Frontiers, 0, , .	4.5	0