

Mamoru Fujitsuka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3514067/publications.pdf>

Version: 2024-02-01

195
papers

10,769
citations

36271

51
h-index

34964

98
g-index

199
all docs

199
docs citations

199
times ranked

10794
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free Photocatalyst for H ₂ Evolution in Visible to Near-Infrared Region: Black Phosphorus/Graphitic Carbon Nitride. <i>Journal of the American Chemical Society</i> , 2017, 139, 13234-13242.	6.6	907
2	Au/TiO ₂ Superstructure-Based Plasmonic Photocatalysts Exhibiting Efficient Charge Separation and Unprecedented Activity. <i>Journal of the American Chemical Society</i> , 2014, 136, 458-465.	6.6	651
3	Z-scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2160-2164.	7.2	506
4	Z-scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. <i>Angewandte Chemie</i> , 2018, 130, 2182-2186.	1.6	356
5	Eco-Friendly Photochemical Production of H ₂ O ₂ through O ₂ Reduction over Carbon Nitride Frameworks Incorporated with Multiple Heteroelements. <i>ACS Catalysis</i> , 2017, 7, 2886-2895.	5.5	287
6	Au/La ₂ Ti ₂ O ₇ Nanostructures Sensitized with Black Phosphorus for Plasmon-Enhanced Photocatalytic Hydrogen Production in Visible and Near-Infrared Light. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2064-2068.	7.2	284
7	Spectroscopic, Electrochemical, and Photochemical Studies of Self-Assembled via Axial Coordination Zinc Porphyrin ⁺ Fulleropyrrolidine Dyads. <i>Journal of Physical Chemistry A</i> , 2002, 106, 3243-3252.	1.1	238
8	Far-Red Fluorescence Probe for Monitoring Singlet Oxygen during Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2014, 136, 11707-11715.	6.6	229
9	Selective One-Electron and Two-Electron Reduction of C60 with NADH and NAD Dimer Analogues via Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 1998, 120, 8060-8068.	6.6	221
10	Faster Electron Injection and More Active Sites for Efficient Photocatalytic H ₂ Evolution in g-C ₃ N ₄ /MoS ₂ Hybrid. <i>Small</i> , 2018, 14, e1703277.	5.2	206
11	Noble metal-free near-infrared-driven photocatalyst for hydrogen production based on 2D hybrid of black Phosphorus/WS ₂ . <i>Applied Catalysis B: Environmental</i> , 2018, 221, 645-651.	10.8	171
12	Defects rich g-C ₃ N ₄ with mesoporous structure for efficient photocatalytic H ₂ production under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 638-646.	10.8	169
13	Black phosphorus: A promising two dimensional visible and near-infrared-activated photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 285-292.	10.8	164
14	g-C ₃ N ₄ /TiO ₂ Mesocrystals Composite for H ₂ Evolution under Visible-Light Irradiation and Its Charge Carrier Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34844-34854.	4.0	163
15	Direct observation of hole transfer through double-helical DNA over 100 Å. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14002-14006.	3.3	156
16	Pt-Au Triangular Nanoprisms with Strong Dipole Plasmon Resonance for Hydrogen Generation Studied by Single-Particle Spectroscopy. <i>ACS Nano</i> , 2016, 10, 6299-6305.	7.3	151
17	Size-dependent fluorescence properties of [n]cycloparaphenylenes (n = 8-13), hoop-shaped π -conjugated molecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14585.	1.3	150
18	Charge Separation in DNA via Consecutive Adenine Hopping. <i>Journal of the American Chemical Society</i> , 2004, 126, 1125-1129.	6.6	146

#	ARTICLE	IF	CITATIONS
19	Solvent Polarity Dependence of Photoinduced Charge Separation in a Tetrathiophene-C60Dyad Studied by Pico- and Nanosecond Laser Flash Photolysis in the Near-IR Region. <i>Journal of Physical Chemistry A</i> , 2000, 104, 4876-4881.	1.1	145
20	Synthesis and physical properties of a ball-like three-dimensional π -conjugated molecule. <i>Nature Communications</i> , 2013, 4, 2694.	5.8	139
21	2D/2D Heterostructured CdS/WS ₂ with Efficient Charge Separation Improving H ₂ Evolution under Visible Light Irradiation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20458-20466.	4.0	137
22	Ultrathin ZnIn ₂ S ₄ nanosheets with active (110) facet exposure and efficient charge separation for cocatalyst free photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118616.	10.8	132
23	A nanocomposite superstructure of metal oxides with effective charge transfer interfaces. <i>Nature Communications</i> , 2014, 5, 3038.	5.8	128
24	In situ nitrogen-doped hollow-TiO ₂ /g-C ₃ N ₄ composite photocatalysts with efficient charge separation boosting water reduction under visible light. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9671-9681.	5.2	118
25	Phase Effect of Ni ₃ P Hybridized with g-C ₃ N ₄ for Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30583-30590.	4.0	116
26	Black Phosphorus Sensitized TiO ₂ Mesocrystal Photocatalyst for Hydrogen Evolution with Visible and Near-Infrared Light Irradiation. <i>ACS Catalysis</i> , 2019, 9, 3618-3626.	5.5	115
27	Au Nanorod Photosensitized La ₂ Ti ₂ O ₇ Nanosteps: Successive Surface Heterojunctions Boosting Visible to Near-Infrared Photocatalytic H ₂ Evolution. <i>ACS Catalysis</i> , 2018, 8, 122-131.	5.5	114
28	Photoinduced Electron Transfer from Oligothiophenes/Polythiophene to Fullerenes (C60/C70) in Solution: A Comprehensive Study by Nanosecond Laser Flash Photolysis Method. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11632-11638.	1.2	110
29	Graphitic-C ₃ N ₄ hybridized N-doped La ₂ Ti ₂ O ₇ two-dimensional layered composites as efficient visible-light-driven photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 191-198.	10.8	107
30	TiO ₂ mesocrystals composited with gold nanorods for highly efficient visible-NIR-photocatalytic hydrogen production. <i>Nano Energy</i> , 2017, 35, 1-8.	8.2	95
31	Topotactic Epitaxy of SrTiO ₃ Mesocrystal Superstructures with Anisotropic Construction for Efficient Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5299-5303.	7.2	92
32	The role of nitrogen defects in graphitic carbon nitride for visible-light-driven hydrogen evolution. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2318-2324.	1.3	90
33	Small Reorganization Energy of Intramolecular Electron Transfer in Fullerene-Based Dyads with Short Linkage. <i>Journal of Physical Chemistry A</i> , 2002, 106, 10991-10998.	1.1	87
34	Contributions of the Distance-Dependent Reorganization Energy and Proton-Transfer to the Hole-Transfer Process in DNA. <i>Chemistry - A European Journal</i> , 2005, 11, 3835-3842.	1.7	83
35	Exfoliated Mo ₂ C nanosheets hybridized on CdS with fast electron transfer for efficient photocatalytic H ₂ production under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118541.	10.8	79
36	Inert basal plane activation of two-dimensional ZnIn ₂ S ₄ via Ni atom doping for enhanced co-catalyst free photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13376-13384.	5.2	79

#	ARTICLE	IF	CITATIONS
37	Efficient charge separation on 3D architectures of TiO ₂ mesocrystals packed with a chemically exfoliated MoS ₂ shell in synergetic hydrogen evolution. <i>Chemical Communications</i> , 2015, 51, 7187-7190.	2.2	76
38	Photoinduced Charge Separation and Recombination Processes in Fine Particles of Oligothiophene-C60Dyad Molecules. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9930-9934.	1.2	67
39	Improvement of Quantum Yields for Photoinduced Energy/Electron Transfer by Isolation of Self-Aggregative Zinc Tetraphenyl Porphyrin-Pendant Polymer Using Cyclodextrin Inclusion in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11261-11266.	1.2	66
40	Direct Measurement of the Dynamics of Excess Electron Transfer through Consecutive Thymine Sequence in DNA. <i>Journal of the American Chemical Society</i> , 2011, 133, 15320-15323.	6.6	66
41	Rapid Exciton Migration and Fluorescent Energy Transfer in Helical Polyisocyanides with Regularly Arranged Porphyrin Pendants. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11935-11941.	1.2	65
42	Charge transfer through DNA nanoscaled assembly programmable with DNA building blocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18072-18076.	3.3	65
43	Electron Transfer from Axial Ligand to S1- and S2-Excited Phosphorus Tetraphenylporphyrin. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10574-10579.	1.1	65
44	<i>In Situ</i> Observation of Single Au Triangular Nanoprism Etching to Various Shapes for Plasmonic Photocatalytic Hydrogen Generation. <i>ACS Nano</i> , 2017, 11, 968-974.	7.3	63
45	Shallow Trap State-Induced Efficient Electron Transfer at the Interface of Heterojunction Photocatalysts: The Crucial Role of Vacancy Defects. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40860-40867.	4.0	63
46	Unprecedented effect of CO ₂ calcination atmosphere on photocatalytic H ₂ production activity from water using g-C ₃ N ₄ synthesized from triazole polymerization. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 141-148.	10.8	62
47	Two-Dimensional Au-Nanoprism/Reduced Graphene Oxide/Pt-Nanoframe as Plasmonic Photocatalysts with Multiplasmon Modes Boosting Hot Electron Transfer for Hydrogen Generation. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 844-849.	2.1	61
48	Single-molecule observation of DNA charge transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 11179-11183.	3.3	59
49	Pico- and nano-second laser flash photolysis study on photoinduced charge separation in oligothiophene-C60 dyad molecules. <i>Research on Chemical Intermediates</i> , 2001, 27, 73-88.	1.3	56
50	Properties of Triplet-Excited [Cycloparaphenylenes ($n = 8-12$): Excitation Energies Lower than Those of Linear Oligomers and Polymers. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4527-4532.	1.1	56
51	Hot electron-driven hydrogen evolution using anisotropic gold nanostructure assembled monolayer MoS ₂ . <i>Nanoscale</i> , 2017, 9, 1520-1526.	2.8	55
52	Anisotropic Ag-Au Triangular Nanoprisms with Desired Configuration for Plasmonic Photocatalytic Hydrogen Generation in Visible/Near-Infrared Region. <i>Advanced Functional Materials</i> , 2018, 28, 1706969.	7.8	54
53	Rapid Long-Distance Hole Transfer through Consecutive Adenine Sequence. <i>Journal of the American Chemical Society</i> , 2006, 128, 11012-11013.	6.6	52
54	Intermolecular and Intramolecular Electron Transfer Processes from Excited Naphthalene Diimide Radical Anions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7275-7282.	1.2	52

#	ARTICLE	IF	CITATIONS
55	Au/La ₂ Ti ₂ O ₇ Nanostructures Sensitized with Black Phosphorus for Plasmon-Enhanced Photocatalytic Hydrogen Production in Visible and Near-Infrared Light. <i>Angewandte Chemie</i> , 2017, 129, 2096-2100.	1.6	51
56	In situ observation of NiS nanoparticles depositing on single TiO ₂ mesocrystal for enhanced photocatalytic hydrogen evolution activity. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 594-600.	10.8	50
57	Enhancement of the Quinoidal Character for Smaller [i>n</i>]Cycloparaphenylenes Probed by Raman Spectroscopy. <i>ChemPhysChem</i> , 2013, 14, 1570-1572.	1.0	49
58	Radical Ions of Cycloparaphenylenes: Size Dependence Contrary to the Neutral Molecules. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2302-2305.	2.1	48
59	Electron-Transfer Reactions between Fullerenes (C ₆₀ and C ₇₀) and Tetrakis(dimethylamino)ethylene in the Ground and Excited States. <i>Journal of Physical Chemistry B</i> , 1999, 103, 445-449.	1.2	46
60	Two-color two-laser fabrication of gold nanoparticles in a PVA film. <i>Chemical Physics Letters</i> , 2006, 420, 90-94.	1.2	46
61	Transient Absorption Spectra and Lifetimes of Benzophenone Ketyl Radicals in the Excited State. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8147-8150.	1.1	45
62	Unprecedented Intramolecular Electron Transfer from Excited Perylenediimide Radical Anion. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12734-12741.	1.5	45
63	Ultrafast spectroscopic study of plasmon-induced hot electron transfer under NIR excitation in Au triangular nanoprism/g-C ₃ N ₄ for photocatalytic H ₂ production. <i>Chemical Communications</i> , 2019, 55, 6014-6017.	2.2	45
64	Hole and excess electron transfer dynamics in DNA. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11234.	1.3	43
65	Defect state-induced efficient hot electron transfer in Au nanoparticles/reduced TiO ₂ mesocrystal photocatalysts. <i>Chemical Communications</i> , 2018, 54, 6052-6055.	2.2	43
66	Charge Carrier Dynamics in TiO ₂ Mesocrystals with Oxygen Vacancies for Photocatalytic Hydrogen Generation under Solar Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15163-15170.	1.5	43
67	Kinetics of charge transfer in DNA containing a mismatch. <i>Nucleic Acids Research</i> , 2008, 36, 5562-5570.	6.5	42
68	Femtosecond time-resolved diffuse reflectance study on facet engineered charge-carrier dynamics in Ag ₃ PO ₄ for antibiotics photodegradation. <i>Applied Catalysis B: Environmental</i> , 2021, 281, 119479.	10.8	42
69	Dual function of graphene oxide for assisted exfoliation of black phosphorus and electron shuttle in promoting visible and near-infrared photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 256, 117864.	10.8	41
70	Sequence Dependence of Excess Electron Transfer in DNA. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14657-14663.	1.2	40
71	Fast Exciton Migration in Porphyrin-Functionalized Polypeptides. <i>Journal of Physical Chemistry B</i> , 2005, 109, 33-35.	1.2	38
72	Monitoring Transport Behavior of Charge Carriers in a Single CdS@CuS Nanowire via In Situ Single-Particle Photoluminescence Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4017-4024.	2.1	37

#	ARTICLE	IF	CITATIONS
73	Emission Mechanism of Doubly ortho-Linked Quinoxaline/Diphenylfluorene or cis-Stilbene/Fluorene Hybrid Compounds Based on the Transient Absorption and Emission Measurements during Pulse Radiolysis. <i>Journal of the American Chemical Society</i> , 2009, 131, 6698-6707.	6.6	35
74	Charge separation in a nanostep structured perovskite-type photocatalyst induced by successive surface heterojunctions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10442-10449.	5.2	34
75	Reaction dynamics of excited radical ions revealed by femtosecond laser flash photolysis. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2018, 35, 25-37.	5.6	31
76	Enhanced Reactivity of C70 in the Photochemical Reactions with NADH and NAD Dimer Analogues As Compared to C60 via Photoinduced Electron Transfer. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5935-5941.	1.1	30
77	Intermolecular Electron Transfer from Naphthalene Derivatives in the Higher Triplet Excited States. <i>Journal of the American Chemical Society</i> , 2004, 126, 9709-9714.	6.6	30
78	Excitation Energy Dependence of Photoinduced Processes in Pentathiophene~Perylene Bisimide Dyads with a Flexible Linker. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10193-10199.	1.1	30
79	Delocalization of Positive Charge in π -Stacked Multi-benzene Rings in Multilayered Cyclophanes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 741-746.	1.1	30
80	Development of tailored TiO ₂ mesocrystals for solar driven photocatalysis. <i>Journal of Energy Chemistry</i> , 2016, 25, 917-926.	7.1	30
81	Photocatalytic Cleavage of Single TiO ₂ /DNA Nanoconjugates. <i>Chemistry - A European Journal</i> , 2008, 14, 1492-1498.	1.7	29
82	Charge transfer dynamics in DNA revealed by time-resolved spectroscopy. <i>Chemical Science</i> , 2017, 8, 1752-1762.	3.7	29
83	Aggregation-Induced Singlet Oxygen Generation: Functional Fluorophore and Anthrylphenylene Dyad Self-Assemblies. <i>Chemistry - A European Journal</i> , 2018, 24, 636-645.	1.7	29
84	Dual Character of Excited Radical Anions in Aromatic Diimide Bis(radical anion)s: Donor or Acceptor?. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4558-4563.	1.5	28
85	Intermolecular Electron Transfer from Excited Benzophenone Ketyl Radical. <i>Journal of Physical Chemistry A</i> , 2007, 111, 223-229.	1.1	27
86	The unprecedented J-aggregate formation of rhodamine moieties induced by 9-phenylanthracenyl substitution. <i>Chemical Communications</i> , 2015, 51, 11580-11583.	2.2	27
87	Proton Transfer of Guanine Radical Cations Studied by Time-Resolved Resonance Raman Spectroscopy Combined with Pulse Radiolysis. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5045-5050.	2.1	27
88	Transannular Distance Dependence of Stabilization Energy of the Intramolecular Dimer Radical Cation of Cyclophanes. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5735-5739.	1.1	26
89	The Development of Functional Mesocrystals for Energy Harvesting, Storage, and Conversion. <i>Chemistry - A European Journal</i> , 2018, 24, 6295-6307.	1.7	26
90	Photochemical Generation of Radical Cations of Dithienothiophenes, Condensed Thiophene Trimers, Studied by Laser Flash Photolysis. <i>Journal of Physical Chemistry A</i> , 1997, 101, 1056-1061.	1.1	25

#	ARTICLE	IF	CITATIONS
91	Photodissociation of Naphthalene Dimer Radical Cation during the Two-Color Two-Laser Flash Photolysis and Pulse Radiolysis~Laser Flash Photolysis. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9319-9324.	1.1	24
92	Three-Dimensional Writing of Copper Nanoparticles in a Polymer Matrix with Two-Color Laser Beams. <i>Chemistry of Materials</i> , 2008, 20, 2060-2062.	3.2	24
93	Kinetics of Transient End-to-End Contact of Single-Stranded DNAs. <i>Journal of the American Chemical Society</i> , 2005, 127, 13232-13237.	6.6	23
94	Anomalous Fluorescence from the Azaxanthone Ketyl Radical in the Excited State. <i>Journal of the American Chemical Society</i> , 2005, 127, 3702-3703.	6.6	23
95	Electron Transfer from the S1 and S2 States of Pentacoordinated Tetrapyrrole Macrocycles to Pyromellitic Diimide as an Axial Ligand. <i>Journal of Physical Chemistry A</i> , 2007, 111, 11430-11436.	1.1	23
96	Recent Approach in Radiation Chemistry toward Material and Biological Science. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2965-2971.	2.1	23
97	Near Bandgap Excitation Inhibits the Interfacial Electron Transfer of Semiconductor/Cocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5920-5924.	4.0	23
98	Fluorescein-Based Type I Supramolecular Photosensitizer via Induction of Charge Separation by Self-Assembly. <i>Jacs Au</i> , 2022, 2, 1472-1478.	3.6	23
99	Electron Transfer in the Supramolecular Donor~Acceptor Dyad of Zinc Porphycene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3330-3335.	1.1	22
100	~Signal-On~Detection of DNA Hole Transfer at the Single Molecule Level. <i>Journal of the American Chemical Society</i> , 2009, 131, 6656-6657.	6.6	22
101	Formation of Highly Stabilized Intramolecular Dimer Radical Cation and ~Complex of [3n]Cyclophanes (n = 3, 5, 6) during Pulse Radiolysis. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3531-3534.	1.1	21
102	Intramolecular Electron Transfer from Axial Ligand to S2-Excited Sb-Tetraphenylporphyrin. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9368-9370.	1.2	21
103	Intramolecular dimer radical anions of [3n] cyclophanes: transannular distance dependent stabilization energy. <i>Chemical Communications</i> , 2009, , 1553.	2.2	21
104	Synthesis of a Novel Sn(IV) Porphycene~Ferrocene Triad Linked by Axial Coordination and Solvent Polarity Effect in Photoinduced Charge Separation Process. <i>Inorganic Chemistry</i> , 2010, 49, 2872-2880.	1.9	21
105	Two~Laser~Guided Three~Dimensional Microfabrication and Processing in a Flexible Polymer Matrix. <i>Advanced Materials</i> , 2008, 20, 3427-3432.	11.1	20
106	Structural Study of Various Substituted Biphenyls and Their Radical Anions Based on Time-Resolved Resonance Raman Spectroscopy Combined with Pulse Radiolysis. <i>Journal of Physical Chemistry A</i> , 2015, 119, 851-856.	1.1	20
107	Photophysical properties of bis(2,2~bithiophene-5-yl)benzenes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 2355.	1.7	19
108	Size-Dependent Relaxation Processes of Photoexcited [~]Cycloparaphenylenes (~ = 5~12): Significant Contribution of Internal Conversion in Smaller Rings. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4737-4742.	1.1	19

#	ARTICLE	IF	CITATIONS
109	Aggregation-induced photocatalytic activity and efficient photocatalytic hydrogen evolution of amphiphilic rhodamines in water. <i>Chemical Science</i> , 2020, 11, 11843-11848.	3.7	19
110	Defect-mediated electron transfer in photocatalysts. <i>Chemical Communications</i> , 2021, 57, 3532-3542.	2.2	19
111	Excess Electron Injection and Transfer in Terthiophene-Modified DNA: Terthiophene as a Photosensitizing Electron Donor for Thymine, Cytosine, and Adenine. <i>Chemistry - A European Journal</i> , 2012, 18, 2056-2062.	1.7	18
112	Atomic Layer Deposition-Confined Nonstoichiometric TiO ₂ Nanocrystals with Tunneling Effects for Solar Driven Hydrogen Evolution. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1173-1179.	2.1	18
113	Facet Effects of Ag ₃ PO ₄ on Charge Carrier Dynamics: Trade-Off Between Photocatalytic Activity and Charge Carrier Lifetime. <i>Chemistry - A European Journal</i> , 2018, 24, 14928-14932.	1.7	18
114	Effect of Organic Additives during Hydrothermal Syntheses of Rutile TiO ₂ Nanorods for Photocatalytic Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 5890-5899.	2.4	18
115	Shallow trap state-enhanced photocatalytic hydrogen evolution over thermal-decomposed polymeric carbon nitride. <i>Chemical Communications</i> , 2020, 56, 5921-5924.	2.2	18
116	Solvent Effect on the Deactivation Processes of Benzophenone Ketyl Radicals in the Excited State. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11800-11808.	1.1	17
117	Radical Cation of Star-Shaped Condensed Oligofluorenes Having Isotruxene as a Core: Importance of Rigid Planar Structure on Charge Delocalization. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2307-2315.	1.1	17
118	How Does Guanine-Cytosine Base Pair Affect Excess-Electron Transfer in DNA?. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7994-8000.	1.2	17
119	Importance of Properties of the Lowest and Higher Singlet Excited States on the Resonant Two-Photon Ionization of Stilbene and Substituted Stilbenes Using Two-Color Two-Lasers. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9831-9835.	1.1	16
120	Ultrafast Photoinduced Intramolecular Charge Separation and Recombination Processes in the Oligothiophene-Substituted Benzene Dyads with an Amide Spacer. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19257-19262.	1.2	16
121	Excess electron transfer dynamics in DNA hairpins conjugated with N,N-dimethylaminopyrene as a photosensitizing electron donor. <i>Chemical Communications</i> , 2012, 48, 11008.	2.2	16
122	Effects of Bi-dopant and co-catalysts upon hole surface trapping on La ₂ Ti ₂ O ₇ nanosheet photocatalysts in overall solar water splitting. <i>Nano Research</i> , 2022, 15, 438-445.	5.8	16
123	Efficient Electron Transfer in Motif DNA with a Tetraplex Structure. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12937-12941.	7.2	15
124	Dual Electron Transfer Pathways from 4,4'-Dimethoxybenzophenone Ketyl Radical in the Excited State to Parent Molecule in the Ground State. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6830-6835.	1.1	14
125	Properties of Excited Ketyl Radicals of Benzophenone Analogues Affected by the Size and Electronic Character of the Aromatic Ring Systems. <i>Chemistry - A European Journal</i> , 2006, 12, 1610-1617.	1.7	14
126	Structural Relaxation in the Singlet Excited State of Star-Shaped Oligofluorenes Having a Truxene or Isotruxene as a Core. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13502-13507.	1.2	14

#	ARTICLE	IF	CITATIONS
127	Topotactic Epitaxy of SrTiO ₃ Mesocrystal Superstructures with Anisotropic Construction for Efficient Overall Water Splitting. <i>Angewandte Chemie</i> , 2017, 129, 5383-5387.	1.6	14
128	Live Cell Imaging Using Photoswitchable Diarylethene-Doped Fluorescent Polymer Dots. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2660-2665.	1.7	14
129	Charge-Separated Mixed Valency in an Unsymmetrical Acceptor-Donor Triad Based on Diarylboryl and Triarylamine Units. <i>Journal of Organic Chemistry</i> , 2019, 84, 8910-8920.	1.7	14
130	Single-Molecule Study of Redox Reaction Kinetics by Observing Fluorescence Blinking. <i>Accounts of Chemical Research</i> , 2021, 54, 1001-1010.	7.6	14
131	COF-based photocatalyst for energy and environment applications. <i>Surfaces and Interfaces</i> , 2021, 25, 101249.	1.5	14
132	First Direct Observation of the Higher Triplet Excited States of Substituted Oligothiophenes by Two-Color Two-Laser Flash Photolysis. <i>ChemPhysChem</i> , 2004, 5, 1240-1242.	1.0	13
133	Remarkable Reactivities of the Xanthone Ketyl Radical in the Excited State Compared with That in the Ground State. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2452-2458.	1.1	13
134	Intramolecular Triplet Energy Transfer via Higher Triplet Excited State during Stepwise Two-Color Two-Laser Irradiation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9781-9788.	1.1	13
135	Enhanced Photocatalytic Activity of Porphyrin Nanodisks Prepared by Exfoliation of Metalloporphyrin-Based Covalent Organic Frameworks. <i>ACS Omega</i> , 2022, 7, 7172-7178.	1.6	13
136	Higher Triplet Excited States of Oligo(p-phenylenevinylene)s. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16727-16731.	1.2	12
137	Folding Dynamics of Cytochrome <i>c</i> Using Pulse Radiolysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 13430-13435.	6.6	12
138	Dual electron transfer pathways from the excited C60 radical anion: enhanced reactivities due to the photoexcitation of reaction intermediates. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31030-31038.	1.3	12
139	Pulse Radiolysis of TIPS-Pentacene and a Fluorene-bridged Bis(pentacene): Evidence for Intramolecular Singlet-Exciton Fission. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3934-3938.	2.1	12
140	Visible light-driven photocatalytic duet reaction catalyzed by the B12-rhodium-titanium oxide hybrid catalyst. <i>Journal of Organometallic Chemistry</i> , 2020, 907, 121058.	0.8	12
141	A cyanine dye based supramolecular photosensitizer enabling visible-light-driven organic reaction in water. <i>Chemical Communications</i> , 2021, 57, 11217-11220.	2.2	12
142	Properties of Excited Radical Cations of Substituted Oligothiophenes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11312-11318.	1.1	11
143	Photodissociation of pyrene dimer radical cation during the pulse radiolysis-laser flash photolysis combined method. <i>Research on Chemical Intermediates</i> , 2013, 39, 449-461.	1.3	11
144	Detection of Structural Changes upon One-Electron Oxidation and Reduction of Stilbene Derivatives by Time-Resolved Resonance Raman Spectroscopy during Pulse Radiolysis and Theoretical Calculations. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6816-6822.	1.1	11

#	ARTICLE	IF	CITATIONS
145	Sequence-Dependent Photocurrent Generation through Long-Distance Excess-Electron Transfer in DNA. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8715-8717.	7.2	11
146	Excess-Electron Transfer in DNA by a Fluctuation-Assisted Hopping Mechanism. <i>Journal of Physical Chemistry B</i> , 2016, 120, 660-666.	1.2	11
147	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Single-Molecule Level. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12941-12948.	7.2	11
148	Competitive Marcus-Type Electron Transfer and Energy Transfer from the Higher Triplet Excited State. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10941-10948.	1.1	10
149	Energy Levels of Oligothiophenes in the Higher Excited Triplet States. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1024-1028.	1.5	10
150	Electron Transfer in the Supramolecular Donor-Acceptor Dyad of Zinc Hemiporphycene. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4156-4162.	1.1	10
151	Reorganization energy of supramolecular donor-acceptor dyad of octaethylporphyrin isomers and axial-coordinated acceptor: Experimental and computational study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 242-248.	2.0	10
152	Driving Force Dependence of Charge Separation and Recombination Processes in Dyads of Nucleotides and Strongly Electron-Donating Oligothiophenes. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12186-12191.	1.2	9
153	Covalently Attached Porphycene-Ferrocene Dyads: Synthesis, Redox-Switched Emission, and Observation of the Charge-Separated State. <i>Inorganic Chemistry</i> , 2016, 55, 7-9.	1.9	9
154	Synthesis of a B ₁₂ -BODIPY dyad for B ₁₂ -inspired photochemical transformations of a trichloromethylated organic compound. <i>Chemical Communications</i> , 2020, 56, 11945-11948.	2.2	9
155	Synthesis and properties of terthiophene-modified oligodeoxynucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4547-4549.	1.0	8
156	Direct fluorescence lifetime measurement of excited radical cation of 1,3,5-trimethoxybenzene by ns two-color two-laser flash photolysis. <i>Chemical Physics Letters</i> , 2006, 432, 436-440.	1.2	8
157	Design of Cyclic Reaction Driven by Two-Color Two-Photon Excitation. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6917-6919.	1.5	8
158	Solvent Dynamics Regulated Electron Transfer in S ₂ -Excited Sb and Ge Tetraphenylporphyrins with an Electron Donor Substituent at the Meso-Position. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3926-3933.	1.1	8
159	Radical Ions of Cyclopyrenylene: Comparison of Spectral Properties with Cycloparaphenylene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4136-4141.	1.1	8
160	Singlet-singlet and singlet-triplet annihilations in structure-regulated porphyrin polymers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 56-59.	2.0	8
161	Excited-state dynamics of rhodamine and its aggregates: versatile fluorophores for NIR absorption. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2097-2103.	1.3	8
162	Influence of Charge Distribution on Structural Changes of Aromatic Imide Derivatives upon One-Electron Reduction Revealed by Time-Resolved Resonance Raman Spectroscopy during Pulse Radiolysis. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8738-8744.	1.1	8

#	ARTICLE	IF	CITATIONS
163	Photophysical Properties of Oligo(2,3-Thienyleneethynylene)s. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10695-10698.	1.2	7
164	Bimolecular Hole Transfer from the Trimethoxybenzene Radical Cation in the Excited State. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4743-4747.	1.1	7
165	Photoinduced electron transfer in supramolecular donor-acceptor dyads of Zn corrole. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5677.	1.3	7
166	β -Ray radiolysis and theoretical study on radical ions of star-shaped oligofluorenes having a truxene or isotruxene as a core. <i>Chemical Physics</i> , 2013, 419, 118-123.	0.9	7
167	Dynamics of Excess-Electron Transfer through Alternating Adenine:Thymine Sequences in DNA. <i>Chemistry - A European Journal</i> , 2015, 21, 16190-16194.	1.7	7
168	Configurational changes of heme followed by cytochrome c folding reaction. <i>Molecular BioSystems</i> , 2015, 11, 218-222.	2.9	7
169	Factors affecting photocatalytic activity of visible light-responsive titanium dioxide doped with chromium ions. <i>Catalysis Science and Technology</i> , 2018, 8, 4726-4733.	2.1	7
170	Electron Transfer from Oligothiophenes in the Higher Triplet Excited States. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10789-10794.	1.1	6
171	Photoaccelerated Hole Transfer in Oligothiophene Assemblies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 649-655.	1.5	6
172	Proton Transfer Accompanied by the Oxidation of Adenosine. <i>Chemistry - A European Journal</i> , 2019, 25, 7711-7718.	1.7	6
173	One-Pot Synthesis of Long Rutile TiO ₂ Nanorods and Their Photocatalytic Activity for O ₂ Evolution: Comparison with Near-Spherical Nanoparticles. <i>ACS Omega</i> , 2021, 6, 31557-31565.	1.6	6
174	Formation of Pyrene Dimer Radical Cation at the Minor Groove of DNA. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 312-316.	2.0	5
175	Excited-State Properties of Radical Anions of C70 and Its Derivatives: Significant Differences from the Case of C60. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13385-13390.	1.5	5
176	Significant structural relaxations of excited [n]cycloparaphenylene dications ($n = 5-9$). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29207-29211.	1.3	5
177	Properties and Reactivity of Xanthyl Radical in the Excited State. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9788-9792.	1.1	4
178	Photoinduced Electron Transfer of Porphyrin Isomers: Impact of Molecular Structures on Electron Transfer Dynamics. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2320-2326.	1.7	4
179	Sequence-Dependent Photocurrent Generation through Long-Distance Excess-Electron Transfer in DNA. <i>Angewandte Chemie</i> , 2016, 128, 8857-8859.	1.6	4
180	Structures of 4-substituted thioanisole radical cations studied by time-resolved resonance Raman spectroscopy during pulse radiolysis and theoretical calculations. <i>RSC Advances</i> , 2016, 6, 109334-109339.	1.7	4

#	ARTICLE	IF	CITATIONS
181	Spirally Configured (<i>cis</i> -Stilbene) Trimers: Steady-State and Time-Resolved Photophysical Studies and Organic Light-Emitting Diode Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25561-25569.	4.0	4
182	The formation mechanism of ZnTPyP fibers fabricated by a surfactant-assisted method. <i>New Journal of Chemistry</i> , 2020, 44, 13824-13833.	1.4	4
183	Hard X-ray excited optical luminescence from protein-directed Au ¹⁴²⁰ clusters. <i>RSC Advances</i> , 2020, 10, 13824-13829.	1.7	3
184	Control of Triplet Blinking Using Cyclooctatetraene to Access the Dynamics of Biomolecules at the Single-Molecule Level. <i>Angewandte Chemie</i> , 2021, 133, 13051-13058.	1.6	3
185	Stacked Thiazole Orange Dyes in DNA Capable of Switching Emissive Behavior in Response to Structural Transitions. <i>ChemBioChem</i> , 2021, 22, 2729-2735.	1.3	3
186	Radical Ions of a Bowl Sumanene: Effects of Strained Structure on the Electronic Transitions. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4902-4906.	1.1	2
187	Formation of the Charge-Localized Dimer Radical Cation of 2,9,10-trimethoxyanthracene in Solution Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 5586-5594.	1.7	2
188	Dynamics of Single-Stranded RNA Looping Probed and Photoregulated by Sulfonated Pyrene. <i>ChemistrySelect</i> , 2020, 5, 8002-8008.	0.7	2
189	Innentitelbild: Z-Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light (<i>Angew. Chem.</i> 8/2018). <i>Angewandte Chemie</i> , 2018, 130, 2026-2026.	1.6	1
190	Electronic and Structural Properties of 2,3-Naphthalimide in Open-Shell Configurations Investigated by Pulse Radiolytic and Theoretical Approaches. <i>ChemistrySelect</i> , 2021, 6, 3331-3338.	0.7	1
191	Single-molecule Fluorescence Kinetic Sandwich Assay Using a DNA Sequencer. <i>Chemistry Letters</i> , 2022, 51, 139-141.	0.7	1
192	Porphyrin covalent organic nanodisks synthesized using acid-assisted exfoliation for improved bactericidal efficacy. <i>Nanoscale Advances</i> , 2022, 4, 2992-2995.	2.2	1
193	6-Radiation Chemical Studies on Reaction Mechanisms. <i>Radioisotopes</i> , 2017, 66, 437-449.	0.1	0
194	Amplifying fluorescence signal contrast of aptamer-modified microspheres inspired by whispering-gallery mode lasing. <i>RSC Advances</i> , 2018, 8, 20822-20828.	1.7	0
195	Fundamental Reaction Mechanisms in Radiation Chemistry and Recent Examples. , 2014, , 3-32.		0