

Mamoru Fujitsuka

List of Publications by Year in descending order

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195
papers

10,769
citations

36271

51
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34964

98
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199
all docs

199
docs citations

199
times ranked

10794
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Single-molecule Fluorescence Kinetic Sandwich Assay Using a DNA Sequencer. <i>Chemistry Letters</i> , 2022, 51, 139-141.	0.7	1
3	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
4	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
5	Porphyrin covalent organic nanodisks synthesized using acid-assisted exfoliation for improved bactericidal efficacy. <i>Nanoscale Advances</i> , 2022, 4, 2992-2995.	2.2	1
6	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
7	Defect-mediated electron transfer in photocatalysts. <i>Chemical Communications</i> , 2021, 57, 3532-3542.	2.2	19
8	Single-Molecule Study of Redox Reaction Kinetics by Observing Fluorescence Blinking. <i>Accounts of Chemical Research</i> , 2021, 54, 1001-1010.	7.6	14
9	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
10	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
11	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
12	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
13	COF-based photocatalyst for energy and environment applications. <i>Surfaces and Interfaces</i> , 2021, 25, 101249.	1.5	14
14	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
15	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
16	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
17	Near Bandgap Excitation Inhibits the Interfacial Electron Transfer of Semiconductor/Cocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5920-5924.	4.0	23
18	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

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19	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
20	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
21	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
22	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
23	Dynamics of Single-Stranded RNA Looping Probed and Photoregulated by Sulfonated Pyrene. <i>ChemistrySelect</i> , 2020, 5, 8002-8008.	0.7	2
24	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
25	Hard X-ray excited optical luminescence from protein-directed Au ^{1/2} clusters. <i>RSC Advances</i> , 2020, 10, 13824-13829.	1.7	3
26	Shallow trap state-enhanced photocatalytic hydrogen evolution over thermal-decomposed polymeric carbon nitride. <i>Chemical Communications</i> , 2020, 56, 5921-5924.	2.2	18
27	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
28	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
29	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
30	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
31	Size-Dependent Relaxation Processes of Photoexcited [Cycloparaphenylenes (<i>n</i> = 5-12): Significant Contribution of Internal Conversion in Smaller Rings. <i>Journal of Physical Chemistry A</i> , 2019, 123, 4737-4742.	1.1	19
32	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
33	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
34	Charge-Separated Mixed Valency in an Unsymmetrical Acceptor-Donor-Donor Triad Based on Diarylboryl and Triarylamine Units. <i>Journal of Organic Chemistry</i> , 2019, 84, 8910-8920.	1.7	14
35	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
36	Formation of the Charge-Localized Dimer Radical Cation of 2-ethyl-10-dimethoxyanthracene in Solution Phase. <i>Chemistry - A European Journal</i> , 2019, 25, 5586-5594.	1.7	2

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37	Black Phosphorus Sensitized TiO ₂ Mesocrystal Photocatalyst for Hydrogen Evolution with Visible and Near-Infrared Light Irradiation. ACS Catalysis, 2019, 9, 3618-3626.	5.5	115
38	Proton Transfer Accompanied by the Oxidation of Adenosine. Chemistry - A European Journal, 2019, 25, 7711-7718.	1.7	6
39	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. Applied Catalysis B: Environmental, 2019, 241, 141-148.	10.8	62
40	Innentitelbild: Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light (Angew. Chem. 8/2018). Angewandte Chemie, 2018, 130, 2026-2026.	1.6	1
41	Faster Electron Injection and More Active Sites for Efficient Photocatalytic H ₂ Evolution in gâ€C ₃ N ₄ /MoS ₂ Hybrid. Small, 2018, 14, e1703277.	5.2	206
42	Anisotropic Ag ₂ Sâ€Au Triangular Nanoprisms with Desired Configuration for Plasmonic Photocatalytic Hydrogen Generation in Visible/Nearâ€Infrared Region. Advanced Functional Materials, 2018, 28, 1706969.	7.8	54
43	Reaction dynamics of excited radical ions revealed by femtosecond laser flash photolysis. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2018, 35, 25-37.	5.6	31
44	Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. Angewandte Chemie - International Edition, 2018, 57, 2160-2164.	7.2	506
45	Excited-State Properties of Radical Anions of C ₇₀ and Its Derivatives: Significant Differences from the Case of C ₆₀ . Journal of Physical Chemistry C, 2018, 122, 13385-13390.	1.5	5
46	Zâ€Scheme Photocatalytic Water Splitting on a 2D Heterostructure of Black Phosphorus/Bismuth Vanadate Using Visible Light. Angewandte Chemie, 2018, 130, 2182-2186.	1.6	356
47	The Development of Functional Mesocrystals for Energy Harvesting, Storage, and Conversion. Chemistry - A European Journal, 2018, 24, 6295-6307.	1.7	26
48	Noble metal-free near-infrared-driven photocatalyst for hydrogen production based on 2D hybrid of black Phosphorus/WS ₂ . Applied Catalysis B: Environmental, 2018, 221, 645-651.	10.8	171
49	Aggregationâ€Induced Singlet Oxygen Generation: Functional Fluorophore and Anthrylphenylene Dyad Selfâ€Assemblies. Chemistry - A European Journal, 2018, 24, 636-645.	1.7	29
50	Au Nanorod Photosensitized La ₂ Ti ₂ O ₇ Nanosteps: Successive Surface Heterojunctions Boosting Visible to Near-Infrared Photocatalytic H ₂ Evolution. ACS Catalysis, 2018, 8, 122-131.	5.5	114
51	Significant structural relaxations of excited [<i>n</i>]cycloparaphenylene dications (<i>n</i> = 5â€9). Physical Chemistry Chemical Physics, 2018, 20, 29207-29211.	1.3	5
52	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. Journal of Physical Chemistry A, 2018, 122, 8738-8744.	1.1	8
53	2D/2D Heterostructured CdS/WS ₂ with Efficient Charge Separation Improving H ₂ Evolution under Visible Light Irradiation. ACS Applied Materials & Interfaces, 2018, 10, 20458-20466.	4.0	137
54	Defect state-induced efficient hot electron transfer in Au nanoparticles/reduced TiO ₂ mesocrystal photocatalysts. Chemical Communications, 2018, 54, 6052-6055.	2.2	43

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	Radical Ions of a ĩ-Bowl Sumanene: Effects of Strained Structure on the Electronic Transitions. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4902-4906.	1.1	2
70	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
71	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
72	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

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73	Eco-Friendly Photochemical Production of H ₂ O ₂ through O ₂ Reduction over Carbon Nitride Frameworks Incorporated with Multiple Heteroelements. ACS Catalysis, 2017, 7, 2886-2895.	5.5	287
74	Photoaccelerated Hole Transfer in Oligothiophene Assemblies. Journal of Physical Chemistry C, 2017, 121, 649-655.	1.5	6
75	<i>In Situ</i> Observation of Single Au Triangular Nanoprism Etching to Various Shapes for Plasmonic Photocatalytic Hydrogen Generation. ACS Nano, 2017, 11, 968-974.	7.3	63
76	Hot electron-driven hydrogen evolution using anisotropic gold nanostructure assembled monolayer MoS ₂ . Nanoscale, 2017, 9, 1520-1526.	2.8	55
77	Charge transfer dynamics in DNA revealed by time-resolved spectroscopy. Chemical Science, 2017, 8, 1752-1762.	3.7	29
78	Phase Effect of Ni _x P _y Hybridized with g-C ₃ N ₄ for Photocatalytic Hydrogen Generation. ACS Applied Materials & Interfaces, 2017, 9, 30583-30590.	4.0	116
79	Metal-Free Photocatalyst for H ₂ Evolution in Visible to Near-Infrared Region: Black Phosphorus/Graphitic Carbon Nitride. Journal of the American Chemical Society, 2017, 139, 13234-13242.	6.6	907
80	g-C ₃ N ₄ /TiO ₂ Mesocrystals Composite for H ₂ Evolution under Visible-Light Irradiation and Its Charge Carrier Dynamics. ACS Applied Materials & Interfaces, 2017, 9, 34844-34854.	4.0	163
81	Live Cell Imaging Using Photoswitchable Diarylethene- Φ -Doped Fluorescent Polymer Dots. Chemistry - an Asian Journal, 2017, 12, 2660-2665.	1.7	14
82	Graphitic-C ₃ N ₄ hybridized N-doped La ₂ Ti ₂ O ₇ two-dimensional layered composites as efficient visible-light-driven photocatalyst. Applied Catalysis B: Environmental, 2017, 202, 191-198.	10.8	107
83	γ -Radiation Chemical Studies on Reaction Mechanisms. Radioisotopes, 2017, 66, 437-449.	0.1	0
84	Sequence-Dependent Photocurrent Generation through Long-Distance Excess-Electron Transfer in DNA. Angewandte Chemie, 2016, 128, 8857-8859.	1.6	4
85	Sequence-Dependent Photocurrent Generation through Long-Distance Excess-Electron Transfer in DNA. Angewandte Chemie - International Edition, 2016, 55, 8715-8717.	7.2	11
86	Structures of 4-substituted thioanisole radical cations studied by time-resolved resonance Raman spectroscopy during pulse radiolysis and theoretical calculations. RSC Advances, 2016, 6, 109334-109339.	1.7	4
87	Singlet-singlet and singlet-triplet annihilations in structure-regulated porphyrin polymers. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 56-59.	2.0	8
88	Pt-Au Triangular Nanoprisms with Strong Dipole Plasmon Resonance for Hydrogen Generation Studied by Single-Particle Spectroscopy. ACS Nano, 2016, 10, 6299-6305.	7.3	151
89	Development of tailored TiO ₂ mesocrystals for solar driven photocatalysis. Journal of Energy Chemistry, 2016, 25, 917-926.	7.1	30
90	Unprecedented Intramolecular Electron Transfer from Excited Perylenediimide Radical Anion. Journal of Physical Chemistry C, 2016, 120, 12734-12741.	1.5	45

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91	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
92	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
93	Excited-state dynamics of Si-rhodamine and its aggregates: versatile fluorophores for NIR absorption. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2097-2103.	1.3	8
94	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
95	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
96	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
97	The unprecedented J-aggregate formation of rhodamine moieties induced by 9-phenylanthracenyl substitution. <i>Chemical Communications</i> , 2015, 51, 11580-11583.	2.2	27
98	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
99	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
100	Configurational changes of heme followed by cytochrome c folding reaction. <i>Molecular BioSystems</i> , 2015, 11, 218-222.	2.9	7
101	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
102	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
103	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
104	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
105	Radical Ions of Cyclopyrenylene: Comparison of Spectral Properties with Cycloparaphenylene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4136-4141.	1.1	8
106	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
107	A nanocomposite superstructure of metal oxides with effective charge transfer interfaces. <i>Nature Communications</i> , 2014, 5, 3038.	5.8	128
108	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

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109	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
110	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
111	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
112	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
113	Properties of Triplet-Excited [<i>n</i>]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
114	Solvent Dynamics Regulated Electron Transfer in $S_{2\text{-excited}}$ 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
115	Fundamental Reaction Mechanisms in Radiation Chemistry and Recent Examples. , 2014, , 3-32.		0
116	Synthesis and physical properties of a ball-like three-dimensional π -conjugated molecule. <i>Nature Communications</i> , 2013, 4, 2694.	5.8	139
117	Photoinduced electron transfer in supramolecular donor-acceptor dyads of Zn corrole. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5677.	1.3	7
118	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
119	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
120	Efficient Electron Transfer in π -Motif DNA with a Tetraplex Structure. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12937-12941.	7.2	15
121	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
122	Size-dependent fluorescence properties of [<i>n</i>]cycloparaphenylenes ($n = 8-13$), hoop-shaped π -conjugated molecules. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14585.	1.3	150
123	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
124	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
125	Hole and excess electron transfer dynamics in DNA. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11234.	1.3	43
126	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

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127	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
128	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
129	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
130	Recent Approach in Radiation Chemistry toward Material and Biological Science. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2965-2971.	2.1	23
131	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
132	Sequence Dependence of Excess Electron Transfer in DNA. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14657-14663.	1.2	40
133	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
134	Electron Transfer from Oligothiophenes in the Higher Triplet Excited States. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10789-10794.	1.1	6
135	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
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