

A Molecular Tetrad That Generates a High-Energy Charge Photosynthetic Z-Scheme

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Light-Driven Electron Accumulation in a Molecular Pentad. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9407-9410.	13.8	63
2	Functional Naphthalene Diimides: Synthesis, Properties, and Applications. <i>Chemical Reviews</i> , 2016, 116, 11685-11796.	47.7	686
3	Synthesis, Structures, and Photophysical Properties of Difuro-Fused Tetrahydro[5]helicene Imide Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1518-1524.	2.7	5
4	Enhancing Photoinduced Charge Separation through Donor Moiety in Donor-Acceptor Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25263-25275.	3.1	24
5	Lichtgetriebene Elektronenakkumulation in einer molekularen Pentade. <i>Angewandte Chemie</i> , 2016, 128, 9553-9556.	2.0	18
6	Stabilizing and color tuning pyrazine radicals by coordination for photochromism. <i>Chemical Communications</i> , 2016, 52, 7947-7949.	4.1	45
7	Tris-bipyridine based dinuclear ruthenium(II)-osmium(III) complex dyads grafted onto TiO ₂ nanoparticles for mimicking the artificial photosynthetic Z-scheme. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4778-4786.	2.8	8
8	Engineering Tunable Single and Dual Optical Emission from Ru(II)-Polypyridyl Complexes through Excited State Design. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2333-2343.	3.1	9
9	A Ruthenium Complex-Porphyrin-Fullerene-Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie</i> , 2017, 129, 3377-3381.	2.0	15
10	A Ruthenium Complex-Porphyrin-Fullerene-Linked Molecular Pentad as an Integrative Photosynthetic Model. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3329-3333.	13.8	51
11	Excitation Power Modulates Energy Transfer Dynamics in a Supramolecular Ru ^{II} -Fe ^{II} -Ru ^{II} Triad. <i>ChemPhysChem</i> , 2017, 18, 2899-2907.	2.1	2
12	Pump-Probe Spectroscopy of a Molecular Triad Monitoring Detrimental Processes for Photoinduced Charge Accumulation. <i>Helvetica Chimica Acta</i> , 2017, 100, e1600283.	1.6	21
13	Exploiting Potential Inversion for Photoinduced Multielectron Transfer and Accumulation of Redox Equivalents in a Molecular Heptad. <i>Journal of the American Chemical Society</i> , 2018, 140, 5343-5346.	13.7	42
14	Photoredox-Switchable Resorcin[4]arene Cavitands: Radical Control of Molecular Gripping Machinery via Hydrogen Bonding. <i>Chemistry - A European Journal</i> , 2018, 24, 1431-1440.	3.3	15
15	Phenothiazine Radical Cation Excited States as Super-oxidants for Energy-Demanding Reactions. <i>Journal of the American Chemical Society</i> , 2018, 140, 5290-5299.	13.7	89
16	Excited state electron and energy relays in supramolecular dinuclear complexes revealed by ultrafast optical and X-ray transient absorption spectroscopy. <i>Chemical Science</i> , 2018, 9, 860-875.	7.4	39
17	A Noble-Metal-Free Heterogeneous Photosensitizer-Relay Catalyst Triad That Catalyzes Water Oxidation under Visible Light. <i>Angewandte Chemie</i> , 2018, 130, 17419-17423.	2.0	9
18	A Noble-Metal-Free Heterogeneous Photosensitizer-Relay Catalyst Triad That Catalyzes Water Oxidation under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17173-17177.	13.8	32

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19	Double Photosystems-Based Z-Scheme™ Photoelectrochemical Sensing Mode for Ultrasensitive Detection of Disease Biomarker Accompanying Three-Dimensional DNA Walker. <i>Analytical Chemistry</i> , 2018, 90, 7086-7093.	6.5	259
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21	Rational Design of a Coupled Confronting Z-Scheme System Toward Photocatalytic Refractory Pollutant Degradation and Water Splitting Reaction. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900370.	3.7	36
22	Target-induced photocurrent-polarity switching: a highly selective and sensitive photoelectrochemical sensing platform. <i>Chemical Communications</i> , 2019, 55, 8939-8942.	4.1	16
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25	2,4,6-Tri(4-pyridyl)-1,3,5-triazine: Photoinduced Charge Separation and Photochromism in the Crystalline State. <i>Chemistry - A European Journal</i> , 2019, 25, 13972-13976.	3.3	30
26	Efficient Low Driving Force Charge Separation in an Electron Deficient Zn-Porphyrin Fullerene Donor-Acceptor Conjugate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28093-28099.	3.1	19
27	Quantitative insights into charge-separated states from one- and two-pulse laser experiments relevant for artificial photosynthesis. <i>Chemical Science</i> , 2019, 10, 5624-5633.	7.4	19
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31	Polymeric Carbon Nitride/Reduced Graphene Oxide/Fe ₂ O ₃ : All-Solid-State Z-Scheme System for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie</i> , 2019, 131, 7176-7180.	2.0	64
32	Polymeric Carbon Nitride/Reduced Graphene Oxide/Fe ₂ O ₃ : All-Solid-State Z-Scheme System for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7102-7106.	13.8	268
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34	Photoinduced hole transfer from tris(bipyridine)ruthenium dye to a high-valent iron-based water oxidation catalyst. <i>Faraday Discussions</i> , 2019, 215, 162-174.	3.2	15
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40	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. <i>Angewandte Chemie</i> , 2020, 132, 4111-4119.	2.0	12
41	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4082-4090.	13.8	30
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43	Guest-Responsive Reversible Electron Transfer in a Crystalline Porous Framework Supported by a Dynamic Building Node. <i>Angewandte Chemie</i> , 2020, 132, 18637-18642.	2.0	1
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51	Naphthalene diimides: perspectives and promise. <i>Chemical Society Reviews</i> , 2021, 50, 9845-9998.	38.1	156
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57	Hydrochar-mediated photocatalyst Fe ₃ O ₄ /BiOBr@HC for highly efficient carbamazepine degradation under visible LED light irradiation. Chemical Engineering Journal, 2022, 433, 134492.	12.7	29
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