Yavuz Dede

List of Publications by Year in Descending Order

40 papers	1,701 citations	19 h-index	41 g-index
45 ext. papers	1,943 ext. citations	6.6 avg, IF	4.42 L-index

#	Paper	IF	Citations
40	Light-Driven Water Oxidation with Ligand-Engineered Prussian Blue Analogues.. *Inorganic Chemistry*, **2022**, 61, 3931-3941	5.1	1
39	Substitution effects in distyryl BODIPYs for near infrared organic photovoltaics. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 429, 113933	4.7	0
38	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. *Chemistry - A European Journal*, **2021**, 27, 8966-8976	4.8	7
37	Building an Iron Chromophore Incorporating Prussian Blue Analogue for Photoelectrochemical Water Oxidation. *Chemistry - A European Journal*, **2021**, 27, 8890	4.8	
36	When Does Fusing Two Rings Not Yield a Larger Ring? The Curious Case of BOPHY. *Journal of Organic Chemistry*, **2021**, 86, 4547-4556	4.2	1
35	Innenr□ktitelbild: A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue (Angew. Chem. 10/2020). *Angewandte Chemie*, **2020**, 132, 4211-4211	3.6	0
34	The Role of Molecular Structure of Phenylalanine Peptides on the Formation of Vertically Aligned Ordered Bionanostructures: Implications for Sensing Application. *ACS Applied Nano Materials*, **2020**, 3, 4305-4313	5.6	2
33	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. *Angewandte Chemie*, **2020**, 132, 4111-4119	3.6	9
32	A Robust, Precious-Metal-Free Dye-Sensitized Photoanode for Water Oxidation: A Nanosecond-Long Excited-State Lifetime through a Prussian Blue Analogue. *Angewandte Chemie - International Edition*, **2020**, 59, 4082-4090	16.4	18
31	Excited state structures projected onto two dimensions: correlations with luminescent behavior. *Journal of Mathematical Chemistry*, **2020**, 58, 2254-2272	2.1	1
30	Control of triboelectric charges on common polymers by photoexcitation of organic dyes. *Nature Communications*, **2019**, 10, 276	17.4	17
29	Tuning the Electronic Properties of Prussian Blue Analogues for Efficient Water Oxidation Electrocatalysis: Experimental and Computational Studies. *Chemistry - A European Journal*, **2018**, 24, 4856-4863	4.8	58
28	Different Quenching Effect of Intramolecular Rotation on the Singlet and Triplet Excited States of Bodipy. *Journal of Physical Chemistry C*, **2018**, 122, 185-193	3.8	52
27	A Noble-Metal-Free Heterogeneous Photosensitizer-Relay Catalyst Triad That Catalyzes Water Oxidation under Visible Light. *Angewandte Chemie*, **2018**, 130, 17419-17423	3.6	8
26	A Noble-Metal-Free Heterogeneous Photosensitizer-Relay Catalyst Triad That Catalyzes Water Oxidation under Visible Light. *Angewandte Chemie - International Edition*, **2018**, 57, 17173-17177	16.4	22
25	Water Oxidation Electrocatalysis with a Cobalt-Borate-Based Hybrid System under Neutral Conditions. *Chemistry - A European Journal*, **2018**, 24, 10372-10382	4.8	22
24	H-bond stabilization of a tautomeric coumarin-pyrazole-pyridine triad generates a PET driven, reversible and reusable fluorescent chemosensor for anion detection. *Dyes and Pigments*, **2017**, 141, 493-500	4.6	19

23	Synthesis and reactivity of a mononuclear non-haem cobalt(IV)-oxo complex. *Nature Communications*, **2017**, 8, 14839	17.4	94
22	Nanostructured organic semiconductor films for molecular detection with surface-enhanced Raman spectroscopy. *Nature Materials*, **2017**, 16, 918-924	27	149
21	A fluorescent coumarin-thiophene hybrid as a ratiometric chemosensor for anions: Synthesis, photophysics, anion sensing and orbital interactions. *Journal of Molecular Structure*, **2016**, 1108, 269-277	3.4	21
20	Morphological Versatility in the Self-Assembly of Val-Ala and Ala-Val Dipeptides. *Langmuir*, **2015**, 31, 7337-45	4	33
19	Synthesis and dye sensitized solar cell applications of Bodipy derivatives with bis-dimethylfluorenyl amine donor groups. *New Journal of Chemistry*, **2015**, 39, 4086-4092	3.6	34
18	Intracellular Modulation of Excited-State Dynamics in a Chromophore Dyad: Differential Enhancement of Photocytotoxicity Targeting Cancer Cells. *Angewandte Chemie*, **2015**, 127, 5430-5434	3.6	33
17	Intracellular modulation of excited-state dynamics in a chromophore dyad: differential enhancement of photocytotoxicity targeting cancer cells. *Angewandte Chemie - International Edition*, **2015**, 54, 5340-4	16.4	119
16	Titelbild: Intracellular Modulation of Excited-State Dynamics in a Chromophore Dyad: Differential Enhancement of Photocytotoxicity Targeting Cancer Cells (Angew. Chem. 18/2015). *Angewandte Chemie*, **2015**, 127, 5351-5351	3.6	
15	1,4,8,11,15,18,22,25-Alkylsulfanyl phthalocyanines: effect of macrocycle distortion on spectroscopic and packing properties. *Chemical Communications*, **2015**, 51, 6580-3	5.8	29
14	Switching off the charge transfer and closing the S1-T1 ISC channel in excited states of quinolizinium derivatives: a theoretical study. *Journal of Organic Chemistry*, **2014**, 79, 3799-808	4.2	7
13	Ion responsive near-IR BODIPY dyes: two isomers, two different signals. *RSC Advances*, **2014**, 4, 14915-14918	3.7	3
12	Design and characterization of Bodipy derivatives for bulk heterojunction solar cells. *Tetrahedron*, **2014**, 70, 6229-6234	2.4	27
11	Luminescence of BODIPY and dipyrrin: an MCSCF comparison of excited states. *Journal of Physical Chemistry A*, **2013**, 117, 1665-9	2.8	28
10	Ni(II)-tetrahedral complexes: characterization, antimicrobial properties, theoretical studies and a new family of charge-transfer transitions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 106, 60-7	4.4	8
9	Reactions of 1S, 1D, and 3P carbon atoms with water. Oxygen abstraction and intermolecular formaldehyde generation mechanisms; An MCSCF study. *International Journal of Quantum Chemistry*, **2012**, 112, 1165-1184	2.1	10
8	Heavy atom free singlet oxygen generation: doubly substituted configurations dominate S1 states of bis-BODIPYs. *Journal of Organic Chemistry*, **2012**, 77, 4516-27	4.2	103
7	Intermolecular acetaldehyde and dimethoxymethane formation mechanisms via ethenol and methoxymethylene precursors in reactions of atomic carbon with methanol: a computational study. *Physical Chemistry Chemical Physics*, **2012**, 14, 2326-32	3.6	4
6	Designing Excited States: Theory-Guided Access to Efficient Photosensitizers for Photodynamic Action. *Angewandte Chemie*, **2011**, 123, 12143-12147	3.6	60

5	Designing excited states: theory-guided access to efficient photosensitizers for photodynamic action. *Angewandte Chemie - International Edition*, **2011**, 50, 11937-41	16.4	281
4	DFT Studies on the Thermal Activation of Molecular Oxygen by Bare [Ni(H)(OH)]+. *Helvetica Chimica Acta*, **2009**, 92, 151-164	2	10
3	A redox non-innocent ligand controls the life time of a reactive quartet excited state - an MCSCF study of [Ni(H)(OH)](+). *Journal of the American Chemical Society*, **2009**, 131, 12634-42	16.4	32
2	A panchromatic boradiazaindacene (BODIPY) sensitizer for dye-sensitized solar cells. *Organic Letters*, **2008**, 10, 3299-302	6.2	370
1	Determination of trace element levels in human scalp hair in occupationally exposed subjects by XRF. *Journal of Radioanalytical and Nuclear Chemistry*, **2001**, 247, 393-397	1.5	8