

Dumitru Sirbu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Layered Perovskites in Solar Cells: Structure, Optoelectronic Properties, and Device Design. <i>Advanced Energy Materials</i> , 2021, 11, 2003877.	19.5	49
2	Autocatalytic photodegradation of [Ru(II)(2,2'-bipyridine) ₂ DAD] ⁺ (DADH =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (1,2-dihydro-4,4'-bipyridine) Dalton Transactions, 2021, 50, 7640-7646.	3.3	1
3	Voltage-induced fluorescence lifetime imaging of a BODIPY derivative in giant unilamellar vesicles as potential neuron membrane mimics. <i>Chemical Communications</i> , 2021, 57, 12631-12634.	4.1	3
4	Challenges for large scale simulation: general discussion. <i>Faraday Discussions</i> , 2020, 224, 309-332.	3.2	2
5	New approaches to study excited states in density functional theory: general discussion. <i>Faraday Discussions</i> , 2020, 224, 483-508.	3.2	2
6	Hydrogen peroxide assisted photorelease of an anthraquinone-based ligand from [Ru(2,2'-bipyridine) ₂ (9,10-dioxo-9,10-dihydroanthracen-1-olate)]Cl in aqueous solution. <i>Dalton Transactions</i> , 2020, 49, 13243-13252.	3.3	6
7	Neutral Lipophilic Palladium(II) Complexes and their Applications in Electrocatalytic Hydrogen Production and C-C Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 813-822.	2.0	1
8	An unprecedented oxidised julolidine-BODIPY conjugate and its application in real-time ratiometric fluorescence sensing of sulfite. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7360-7368.	2.8	3
9	Rosindone revisited: a computational and photophysical study of 7-phenylbenzo[a] phenazine-5(7H)-one (PBP). <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 140-147.	2.9	2
10	Enhanced in vivo Optical Imaging of the Inflammatory Response to Acute Liver Injury in C57BL/6 Mice Using a Highly Bright Near-Infrared BODIPY Dye. <i>ChemMedChem</i> , 2019, 14, 995-999.	3.2	5
11	Photocatalysed decolouration of indigo in solution via in situ generation of an organic hydroperoxide. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2875-2883.	2.9	2
12	Photocatalysis and self-catalyzed photobleaching with covalently-linked chromophore-quencher conjugates built around BOPHY. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 750-762.	2.9	12
13	Nonradiative Decay Channels for a Structurally-Distorted, Monostrapped BODIPY Derivative. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9160-9170.	2.5	8
14	One-Pot Synthesis of a Mono-O,B,N-strapped BODIPY Derivative Displaying Bright Fluorescence in the Solid State. <i>Organic Letters</i> , 2017, 19, 1626-1629.	4.6	27
15	Locally Excited State Charge Transfer State Coupled Dyes as Optically Responsive Neuron Firing Probes. <i>Chemistry - A European Journal</i> , 2017, 23, 14639-14649.	3.3	12
16	Superparamagnetic amorphous iron oxide nanowires self-assembled into ordered layered structures. <i>RSC Advances</i> , 2015, 5, 62563-62570.	3.6	17
17	The ferrocene effect: enhanced electrocatalytic hydrogen production using meso-tetraferrocenyl porphyrin palladium(II) and copper(II) complexes. <i>Dalton Transactions</i> , 2015, 44, 14646-14655.	3.3	51
18	Synthesis, Molecular Structure and Properties of a Ferrocene-Based Difluoropyrrolo-Oxaborole Derivative. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 6212-6219.	2.0	5

#	ARTICLE	IF	CITATIONS
19	Synthesis and properties of a meso- trisâ€“ferrocene appended zinc(ii) porphyrin and a critical evaluation of its dye sensitised solar cell (DSSC) performance. RSC Advances, 2014, 4, 22733-22742.	3.6	45
20	A simple method for desymmetrizing 1,1â€“2-ferrocenedicarboxaldehyde. Tetrahedron Letters, 2014, 55, 3777-3780.	1.4	8