

Prashanth K Poddutoori

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

620
citations

15
h-index

23
g-index

42
ext. papers

700
ext. citations

4.6
avg, IF

4.07
L-index

#	Paper	IF	Citations
38	Rational Design and Synthesis of OEP and TPP Centered Phosphorus(V) Porphyrin-Naphthalene Conjugates: Triplet Formation via Rapid Charge Recombination. <i>Inorganic Chemistry</i> , 2021 , 60, 17952-17965	5.1	1
37	Fluorinated aluminum(III) porphyrins: Synthesis, spectroscopy, electrochemistry and photochemistry. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021 , 25, 456-468	1.8	1
36	Excited state dynamics and electron transfer in a phosphorus(V) porphyrin [TEMPO] conjugate. <i>Journal of Chemical Sciences</i> , 2021 , 133, 1	1.8	0
35	A charge transfer state induced by strong exciton coupling in a cofacial E _h o-bridged porphyrin heterodimer. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 960-970	3.6	10
34	Aluminum(III) porphyrin: A unique building block for artificial photosynthetic systems. <i>Coordination Chemistry Reviews</i> , 2021 , 429, 213561	23.2	11
33	Photoinduced energy and electron transfer in a cofacial aluminum(III) porphyrin [Phosphorus(V) porphyrin heterodimer. <i>Journal of Photochemistry and Photobiology</i> , 2021 , 8, 100069	0.8	0
32	Decelerating Charge Recombination Using Fluorinated Porphyrins in -Bis(3,4,5-trimethoxyphenyl)aniline-Aluminum(III) Porphyrin-Fullerene Reaction Center Models. <i>Journal of the American Chemical Society</i> , 2020 , 142, 10008-10024	16.4	17
31	Exclusive triplet electron transfer leading to long-lived radical ion-pair formation in an electron rich platinum porphyrin covalently linked to fullerene dyad. <i>Chemical Communications</i> , 2020 , 56, 6058-6061	5.8	10
30	Surface anchored self-assembled reaction centre mimics as photoanodes consisting of a secondary electron donor, aluminium(iii) porphyrin and TiO semiconductor. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 19612-19622	3.6	4
29	Electron spin polarization in an Al(III) porphyrin complex with an axially bound nitroxide radical. <i>Journal of Chemical Physics</i> , 2019 , 151, 204303	3.9	7
28	High-Energy Charge-Separated States by Reductive Electron Transfer Followed by Electron Shift in the Tetraphenylethylene-Aluminum(III) Porphyrin-Fullerene Triad. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 131-143	3.8	20
27	Charge Stabilization in High-Potential Zinc Porphyrin-Fullerene via Axial Ligation of Tetrathiafulvalene. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13636-13647	3.8	15
26	Reversible Solution [Dimerization and Long Multicenter Bonding in a Stable Phenoxyl Radical. <i>Chemistry - A European Journal</i> , 2018 , 24, 14906-14910	4.8	10
25	Triplet electron transfer and spin polarization in a palladium porphyrin-fullerene conjugate. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28223-28231	3.6	15
24	Charge-separation in panchromatic, vertically positioned bis(donor styryl)BODIPY-aluminum(iii) porphyrin-fullerene supramolecular triads. <i>Nanoscale</i> , 2018 , 10, 20723-20739	7.7	17
23	Interfacial Electron Transfer Followed by Photooxidation in N,N-Bis(p-anisole)aminopyridine-Aluminum(III) Porphyrin-Titanium(IV) Oxide Self-Assembled Photoanodes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 14484-14497	3.8	9
22	Time-Resolved EPR in Artificial Photosynthesis 2017 , 359-387		3

21	Di- and trivalent iron complexes with redox-active 1-(2-pyridylazo)-2-phenanthrol (papl). <i>Polyhedron</i> , 2017 , 123, 462-469	2.7	5
20	A Transient EPR Study of Electron Transfer in Tetrathiafulvalene-Aluminum(III) Porphyrin-Anthraquinone Supramolecular Triads. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017 , 231, 293-310 ³⁻¹		5
19	Phosphorus(V) Porphyrin-Manganese(II) Terpyridine Conjugates: Synthesis, Spectroscopy, and Photo-Oxidation Studies on a SnO Surface. <i>Inorganic Chemistry</i> , 2016 , 55, 11383-11395	5.1	14
18	Electron Transfer Pathways in a Tetrathiafulvalene-Aluminum(III) Porphyrin-Free-Base Porphyrin Triad Studied Using Electron Spin Polarization. <i>Applied Magnetic Resonance</i> , 2016 , 47, 511-526	0.8	8
17	Structural features and electronic properties of a cupric complex with redox active 1-(2-pyridylazo)-2-phenanthrol (papl). <i>Polyhedron</i> , 2016 , 108, 74-79	2.7	4
16	Modulating the generation of long-lived charge separated states exclusively from the triplet excited states in palladium porphyrin-fullerene conjugates. <i>Nanoscale</i> , 2016 , 8, 8333-44	7.7	31
15	Unique molecular geometries of reduced 4- and 5-coordinate zinc complexes stabilised by diiminopyridine ligand. <i>Dalton Transactions</i> , 2016 , 45, 13440-8	4.3	13
14	Axially assembled photosynthetic reaction center mimics composed of tetrathiafulvalene, aluminum(III) porphyrin and fullerene entities. <i>Nanoscale</i> , 2015 , 7, 12151-65	7.7	45
13	Interfacial electron transfer in photoanodes based on phosphorus(V) porphyrin sensitizers co-deposited on SnO ₂ with the Ir(III)Cp* water oxidation precatalyst. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3868-3879	13	35
12	Modulation of Energy Transfer into Sequential Electron Transfer upon Axial Coordination of Tetrathiafulvalene in an Aluminum(III) Porphyrin-Free-Base Porphyrin Dyad. <i>Inorganic Chemistry</i> , 2015 , 54, 8482-94	5.1	39
11	Ultrafast charge separation and charge stabilization in axially linked Tetrathiafulvalene-aluminum(III) porphyrin-gold(III) porphyrin reaction center mimics. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26346-58	3.6	22
10	Long-lived charge separation in novel axial donor-porphyrin-acceptor triads based on tetrathiafulvalene, aluminum(III) porphyrin and naphthalenediimide. <i>Chemistry - A European Journal</i> , 2013 , 19, 3148-61	4.8	49
9	Light-Induced Spin Polarization in Porphyrin-Based Donor-Acceptor Dyads and Triads. <i>Applied Magnetic Resonance</i> , 2013 , 44, 301-318	0.8	11
8	Factors controlling the redox potential of ZnCe6 in an engineered bacterioferritin photochemical reaction centre. <i>PLoS ONE</i> , 2013 , 8, e68421	3.7	5
7	Spin-Selective Electron Transfer and Charge Recombination in Self-Assembled Porphyrin Naphthalenediimide Dyads. <i>Applied Magnetic Resonance</i> , 2012 , 42, 41-55	0.8	7
6	Sequential charge separation in two axially linked phenothiazine-aluminum(III) porphyrin-fullerene triads. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 709-17	2.8	41
5	Light-induced hole transfer in a hypervalent phosphorus(V) octaethylporphyrin bearing an axially linked bis(ethylenedithio)tetrathiafulvalene. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010 , 14, 178-187 ¹⁻⁸		14
4	Photoinduced charge separation in a ferrocene-aluminum(III) porphyrin-fullerene supramolecular triad. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14348-57	3.4	62

3	Spin-spin interactions in porphyrin-based monoverdazyl radical hybrid spin systems. <i>Inorganic Chemistry</i> , 2010 , 49, 3516-24	5.1	35
2	Bimetallic iron(3+) spin-crossover complexes containing a 2,2'-bithienyl bridging bis-QsalH ligand. <i>Inorganic Chemistry</i> , 2009 , 48, 6109-16	5.1	23
1	Sequential Electron Transfer in a BODIPY-Aluminum(III) Porphyrin-160 Triad Studied by Transient EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 1	0.8	1