

# Prashanth K Poddutoori

## List of Publications by Year in descending order

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42  
papers

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471371  
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526166  
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times ranked

814  
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#	ARTICLE	IF	CITATIONS
1	Photoinduced Charge Separation in a Ferrocene~Aluminum(III) Porphyrin~Fullerene Supramolecular Triad. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14348-14357.	1.2	64
2	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, 3148-3161.	1.7	53
3	Sequential Charge Separation in Two Axially Linked Phenothiazine~Aluminum(III) Porphyrin~Fullerene Triads. <i>Journal of Physical Chemistry A</i> , 2011, 115, 709-717.	1.1	47
4	Axially assembled photosynthetic reaction center mimics composed of tetrathiafulvalene, aluminum(III) porphyrin and fullerene entities. <i>Nanoscale</i> , 2015, 7, 12151-12165.	2.8	47
5	Interfacial electron transfer in photoanodes based on phosphorus(V) porphyrin sensitizers co-deposited on SnO <sub>2</sub> with the Ir(III)Cp* water oxidation precatalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3868-3879.	5.2	47
6	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, 8482-8494.	1.9	41
7	Spin~Spin Interactions in Porphyrin-Based Monoverdazyl Radical Hybrid Spin Systems. <i>Inorganic Chemistry</i> , 2010, 49, 3516-3524.	1.9	38
8	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, 8333-8344.	2.8	38
9	Decelerating Charge Recombination Using Fluorinated Porphyrins in <i>N,N</i> -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.	6.6	33
10	Aluminum(III) porphyrin: A unique building block for artificial photosynthetic systems. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213561.	9.5	30
11	Charge-separation in panchromatic, vertically positioned bis(donor) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (styryl)BODIPY	2.8	29
12	A charge transfer state induced by strong exciton coupling in a cofacial 1/4-oxo-bridged porphyrin heterodimer. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 960-970.	1.3	25
13	Bimetallic Iron(3+) Spin-Crossover Complexes Containing a 2,2~Bithienyl Bridging bis-QsalH Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 6109-6116.	1.9	24
14	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, 26346-26358.	1.3	24
15	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.	1.5	24
16	Phosphorus(V) Porphyrin-Manganese(II) Terpyridine Conjugates: Synthesis, Spectroscopy, and Photo-Oxidation Studies on a SnO <sub>2</sub> Surface. <i>Inorganic Chemistry</i> , 2016, 55, 11383-11395.	1.9	21
17	Triplet electron transfer and spin polarization in a palladium porphyrin~fullerene conjugate. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28223-28231.	1.3	20
18	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.	0.4	17

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19	Charge Stabilization in High-Potential Zinc Porphyrin-Fullerene via Axial Ligation of Tetrathiafulvalene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13636-13647.	1.5	16
20	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.	2.2	16
21	Unique molecular geometries of reduced 4- and 5-coordinate zinc complexes stabilised by diiminopyridine ligand. <i>Dalton Transactions</i> , 2016, 45, 13440-13448.	1.6	14
22	Interfacial Electron Transfer Followed by Photooxidation in $\text{N,N}$ -Bis( $p$ -anisole)aminopyridine-Aluminum(III) Porphyrin-Titanium(IV) Oxide Self-Assembled Photoanodes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14484-14497.	1.5	12
23	Light-Induced Spin Polarization in Porphyrin-Based Donor-Acceptor Dyads and Triads. <i>Applied Magnetic Resonance</i> , 2013, 44, 301-318.	0.6	11
24	Reversible Solution Dimerization and Long Multicenter Bonding in a Stable Phenoxyl Radical. <i>Chemistry - A European Journal</i> , 2018, 24, 14906-14910.	1.7	11
25	Electron spin polarization in an Al(III) porphyrin complex with an axially bound nitroxide radical. <i>Journal of Chemical Physics</i> , 2019, 151, 204303.	1.2	11
26	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.	0.6	9
27	Spin-Selective Electron Transfer and Charge Recombination in Self-Assembled Porphyrin Naphthalenediimide Dyads. <i>Applied Magnetic Resonance</i> , 2012, 42, 41-55.	0.6	7
28	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.	1.4	7
29	Antimony(+5) ion induced tunable intramolecular charge transfer in hypervalent antimony( $v$ ) porphyrins. <i>Dalton Transactions</i> , 2022, 51, 5890-5903.	1.6	7
30	Surface anchored self-assembled reaction centre mimics as photoanodes consisting of a secondary electron donor, aluminium( $iii$ ) porphyrin and $\text{TiO}_2$ semiconductor. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19612-19622.	1.3	6
31	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.	1.9	6
32	Factors Controlling the Redox Potential of ZnCe6 in an Engineered Bacterioferritin Photochemical Reaction Centre™. <i>PLoS ONE</i> , 2013, 8, e68421.	1.1	5
33	Di- and trivalent iron complexes with redox-active 1-(2-pyridylazo)-2-phenanthrol (papl). <i>Polyhedron</i> , 2017, 123, 462-469.	1.0	5
34	Fluorinated aluminum(III) porphyrins: Synthesis, spectroscopy, electrochemistry and photochemistry. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 456-468.	0.4	5
35	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.	1.0	4
36	Time-Resolved EPR in Artificial Photosynthesis. , 2017, , 359-387.		4

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37	Sequential electron transfer in a bis(styryl)BODIPY-aluminum(III) porphyrin $\hat{=}$ naphthalenediimide reaction center mimic. <i>Journal of Porphyrins and Phthalocyanines</i> , 2022, 26, 407-417.	0.4	4
38	Sequential Electron Transfer in a BODIPY $\hat{=}$ Aluminum(III) Porphyrin $\hat{=}$ C60 Triad Studied by Transient EPR Spectroscopy. <i>Applied Magnetic Resonance</i> , 0, , 1.	0.6	3
39	Excited state dynamics and electron transfer in a phosphorus(V) porphyrin $\hat{=}$ TEMPO conjugate. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	2
40	Photoinduced energy and electron transfer in a cofacial aluminum(III) porphyrin $\hat{=}$ Phosphorus(V) porphyrin heterodimer. <i>Journal of Photochemistry and Photobiology</i> , 2021, 8, 100069.	1.1	2
41	Charge Stabilization in Axially Linked Donor $\hat{=}$ Aluminum(III) Porphyrin $\hat{=}$ Fullerene Reaction Center Models. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 781-781.	0.0	0
42	Phosphorus(V) Porphyrin: A Reductive Electron Quencher in Donor-Acceptor Systems. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 980-980.	0.0	0