Lingamallu Giribabu

List of Publications by Year
in descending order

216 papers	7,127 citations	66234 42 h-index	85405 71 g-index
226 all docs	226 docs citations	226 times ranked	6979 citing authors

#	Article	IF	Citations
1	Photodynamic Therapy: Past, Present and Future. Chemical Record, 2017, 17, 775-802.	2.9	380
2	Efficient Sensitization of Nanocrystalline TiO2 Films by a Near-IR-Absorbing Unsymmetrical Zinc Phthalocyanine. Angewandte Chemie - International Edition, 2007, 46, 373-376.	7.2	334
3	A Combined Experimental and Computational Investigation of Anthracene Based Sensitizers for DSSC: Comparison of Cyanoacrylic and Malonic Acid Electron Withdrawing Groups Binding onto the TiO₂ Anatase (101) Surface. Journal of Physical Chemistry C, 2009, 113, 20117-20126.	1.5	190
4	Femtosecond and nanosecond nonlinear optical properties of alkyl phthalocyanines studied using Z-scan technique. Chemical Physics Letters, 2007, 447, 274-278.	1.2	167
5	Nonlinear optical and optical limiting properties of phthalocyanines in solution and thin films of PMMA at 633Ânm studied using a cw laser. Materials Letters, 2007, 61, 4426-4431.	1.3	158
6	Metal-free organic dyes for dye-sensitized solar cells: recent advances. Tetrahedron, 2012, 68, 8383-8393.	1.0	138
7	Large third-order optical nonlinearity and optical limiting in symmetric and unsymmetrical phthalocyanines studied using Z-scan. Optics Communications, 2007, 280, 206-212.	1.0	137
8	DNA interactions of new mixed-ligand complexes of cobalt(III) and nickel(II) that incorporate modified phenanthroline ligands. Journal of Inorganic Biochemistry, 2003, 94, 138-145.	1.5	131
9	Unsymmetrical alkoxy zinc phthalocyanine for sensitization of nanocrystalline TiO2 films. Solar Energy Materials and Solar Cells, 2007, 91, 1611-1617.	3.0	128
10	Studies of third-order optical nonlinearity and nonlinear absorption in tetra tolyl porphyrins using degenerate four wave mixing and Z-scan. Optics Communications, 2000, 182, 255-264.	1.0	121
11	Molecular engineering of sensitizers for dyeâ€sensitized solar cell applications. Chemical Record, 2012, 12, 306-328.	2.9	109
12	Donor-Ï€â€“Acceptor Based Stable Porphyrin Sensitizers for Dye-Sensitized Solar Cells: Effect of Ï€-Conjugated Spacers. Journal of Physical Chemistry C, 2017, 121, 6464-6477.	1.5	101
13	D-Ï€-A organic dyes with carbazole as donor for dye-sensitized solar cells. Synthetic Metals, 2011, 161, 96-105.	2.1	100
14	â€œAxial-Bondingâ€•Type Hybrid Porphyrin Arrays:Â Synthesis, Spectroscopy, Electrochemistry, and Singlet State Properties. Inorganic Chemistry, 1999, 38, 4971-4980.	1.9	95
15	Emerging molecular design strategies of unsymmetrical phthalocyanines for dye-sensitized solar cell applications. RSC Advances, 2014, 4, 6970.	1.7	94
16	Femtosecond nonlinear optical properties of alkoxy phthalocyanines at 800nm studied using Z-Scan technique. Chemical Physics Letters, 2008, 464, 211-215.	1.2	87
17	Nonlinear optical and optical limiting studies of alkoxy phthalocyanines in solutions studied at 532Ânm with nanosecond pulse excitation. Applied Physics B: Lasers and Optics, 2008, 91, 149-156.	1.1	85
18	Emerging of Inorganic Hole Transporting Materials For Perovskite Solar Cells. Chemical Record, 2017, 17, 681-699.	2.9	83

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19	Recent advances in flexible perovskite solar cells. Chemical Communications, 2015, 51, 14696-14707.	2.2	78
20	Recent Advances in Halide-Based Perovskite Crystals and Their Optoelectronic Applications. Crystal Growth and Design, 2018, 18, 2645-2664.	1.4	75
21	Ultrafast nonlinear optical properties of alkyl-phthalocyanine nanoparticles investigated using Z-scan technique. Journal of Applied Physics, 2009, 105, .	1.1	71
22	Synthesis, Optical, Electrochemical, DFT Studies, NLO Properties, and Ultrafast Excited State Dynamics of Carbazole-Induced Phthalocyanine Derivatives. Journal of Physical Chemistry C, 2019, 123, 11118-11133.	1.5	70
23	Recent Advances of Cobalt(II/III) Redox Couples for Dyeâ€Sensitized Solar Cell Applications. Chemical Record, 2015, 15, 760-788.	2.9	68
24	Photoinduced Electron Transfer in Bisporphyrinâ€“Diimide Complexes. Chemistry - A European Journal, 2002, 8, 3938-3947.	1.7	63
25	Sterically demanding zinc(<scp>ii</scp>) phthalocyanines: synthesis, optical, electrochemical, nonlinear optical, excited state dynamics studies. Journal of Materials Chemistry C, 2014, 2, 1711-1722.	2.7	63
26	New Molecular Arrays Based on a Tin(IV) Porphyrin Scaffold. Inorganic Chemistry, 2001, 40, 6757-6766.	1.9	61
27	Porphyrin-rhodanine dyads for dye sensitized solar cells. Journal of Porphyrins and Phthalocyanines, 2006, 10, 1007-1016.	0.4	59
28	Ultrafast Excited-State Dynamics and Dispersion Studies of Third-Order Optical Nonlinearities in Novel Corroles. Journal of Physical Chemistry C, 2012, 116, 17828-17837.	1.5	59
29	Subphthalocyanine as hole transporting material for perovskite solar cells. RSC Advances, 2015, 5, 69813-69818.	1.7	56
30	Orientation Dependence of Energy Transfer in an Anthraceneâ€“Porphyrin Donorâ€“Acceptor System This work was supported by CSIR and DST (New Delhi, India). We thank Dr. T. P. Radhakrishnan for many helpful discussions.. Angewandte Chemie - International Edition, 2001, 40, 3621.	7.2	54
31	Electronically and Catalytically Functional Carbon Cloth as a Permeable and Flexible Counter Electrode for Dye Sensitized Solar Cell. Electrochimica Acta, 2014, 123, 248-253.	2.6	52
32	Recent Progress and Emerging Applications of Rare Earth Doped Phosphor Materials for Dyeâ€Sensitized and Perovskite Solar Cells: A Review. Chemical Record, 2020, 20, 65-88.	2.9	52
33	Bulky Phenanthroimidazoleâ€“Phenothiazine Dâ^'Ï€â€“A Based Organic Sensitizers for Application in Efficient Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2020, 3, 6758-6767.	2.5	51
34	Picosecond and femtosecond optical nonlinearities of novel corroles. Journal of Porphyrins and Phthalocyanines, 2012, 16, 140-148.	0.4	50
35	Unsymmetrical extended Ï€-conjugated zinc phthalocyanine for sensitization of nanocrystalline TiO2 films. Journal of Chemical Sciences, 2009, 121, 75-82.	0.7	49
36	Role of Coâ€Sensitizers in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2017, 10, 4668-4689.	3.6	48

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37	Cu(<scp>ii</scp>/<scp>i</scp>) redox couples: potential alternatives to traditional electrolytes for dye-sensitized solar cells. Materials Advances, 2021, 2, 1229-1247.	2.6	48
38	Picosecond nonlinear optical studies of unsymmetrical alkyl and alkoxy phthalocyanines. Materials Letters, 2010, 64, 1915-1917.	1.3	46
39	Synthesis, Crystal Structure, Electronic Spectroscopy, Electrochemistry and Biological Studies of Ferroceneâ€“Carbohydrate Conjugates. European Journal of Inorganic Chemistry, 2012, 2012, 2267-2277.	1.0	46
40	Hierarchical Porous TiO₂ Embedded Unsymmetrical Zincâ€“Phthalocyanine Sensitizer for Visible-Light-Induced Photocatalytic H₂ Production. Journal of Physical Chemistry C, 2018, 122, 495-502.	1.5	46
41	Ultrafast nonlinear optical properties of alkyl phthalocyanines investigated using degenerate four-wave mixing technique. Optical Materials, 2009, 31, 1042-1047.	1.7	45
42	A new familiy of heteroleptic ruthenium(ii) polypyridyl complexes for sensitization of nanocrystalline TiO2 films. Dalton Transactions, 2011, 40, 4497.	1.6	43
43	Excited state dynamics in tetra tolyl porphyrins studied using degenerate four wave mixing with incoherent light and ps pulses. Optics Communications, 2001, 192, 123-133.	1.0	42
44	Femtosecond, broadband nonlinear optical studies of a zinc porphyrin and zinc phthalocyanine. Optics and Laser Technology, 2018, 108, 418-425.	2.2	42
45	Novel Catalytic Hunsdieckerâˆ’Heck (CHH) Strategy toward All-EStereocontrolled Ferrocene-Capped Conjugated Pushâˆ’Pull Polyenes. Organometallics, 2000, 19, 1464-1469.	1.1	41
46	Near-infrared squaraine co-sensitizer for high-efficiency dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2016, 18, 14279-14285.	1.3	41
47	Soluble tetratriphenylamine Zn phthalocyanine as Hole Transporting Material for Perovskite Solar Cells. Electrochimica Acta, 2016, 222, 875-880.	2.6	41
48	Picosecond optical nonlinearities in symmetrical and unsymmetrical phthalocyanines studied using the Z-scan technique. Pramana - Journal of Physics, 2010, 75, 1017-1023.	0.9	40
49	Sterically demanded unsymmetrical zinc phthalocyanines for dye-sensitized solar cells. Dyes and Pigments, 2013, 98, 518-529.	2.0	40
50	Fluorescence and absorption spectroscopic studies on the interaction of porphyrins with snake gourd (Trichosanthes anguina) seed lectin. Journal of Photochemistry and Photobiology B: Biology, 2000, 55, 49-55.	1.7	39
51	Corrole dyes for dye-sensitized solar cells: The crucial role of the dye/semiconductor energy level alignment. Computational and Theoretical Chemistry, 2014, 1030, 59-66.	1.1	38
52	Carbon nanohorns based counter electrodes developed by spray method for dye sensitized solar cells. Solar Energy, 2016, 133, 524-532.	2.9	38
53	Recent developments in tetrathiafulvalene and dithiafulvalene based metal-free organic sensitizers for dye-sensitized solar cells: a mini-review. Sustainable Energy and Fuels, 2017, 1, 678-688.	2.5	38
54	High molar extinction coefficient amphiphilic ruthenium sensitizers for efficient and stable mesoscopic dye-sensitized solar cells. Energy and Environmental Science, 2009, 2, 770.	15.6	37

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55	Synthesis and characterization of novel 2,5-diphenyl-1,3,4-oxadiazole derivatives of anthracene and its application as electron transporting blue emitters in OLEDs. Synthetic Metals, 2011, 161, 869-880.	2.1	37
56	Phenothiazine functional materials for organic optoelectronic applications. Physical Chemistry Chemical Physics, 2021, 23, 14969-14996.	1.3	37
57	Revealing high hydrogen evolution activity in zinc porphyrin sensitized hierarchical porous TiO2 photocatalysts. International Journal of Hydrogen Energy, 2020, 45, 7508-7516.	3.8	36
58	Sulfonated naphthyl porphyrins as agents against HIV-1. Journal of Inorganic Biochemistry, 2005, 99, 813-821.	1.5	35
59	Pt-free spray coated reduced graphene oxide counter electrodes for dye sensitized solar cells. Solar Energy, 2016, 137, 143-147.	2.9	35
60	Spacer controlled photo-induced intramolecular electron transfer in a series of phenothiazine-boron dipyrromethene donorâ€“acceptor dyads. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 312, 8-19.	2.0	34
61	Synthesis and characterization of tetratriphenylamine Zn phthalocyanine as hole transporting material for perovskite solar cells. Solar Energy, 2016, 140, 60-65.	2.9	34
62	Triphenylamineâ€“phthalocyanine based sensitizer for sensitization of nanocrystalline TiO2 films. Solar Energy, 2011, 85, 1204-1212.	2.9	33
63	Ultrafast Interfacial Charge-Transfer Dynamics in a Donor-Ï€-Acceptor Chromophore Sensitized TiO₂ Nanocomposite. Journal of Physical Chemistry C, 2013, 117, 4824-4835.	1.5	33
64	Enhanced light harvesting with novel photon upconverted Y2CaZnO5:Er3+/Yb3+ nanophosphors for dye sensitized solar cells. Solar Energy, 2017, 157, 956-965.	2.9	33
65	Phosphorus(V)corrole- Porphyrin Based Hetero Trimers: Synthesis, Spectroscopy and Photochemistry. Journal of Fluorescence, 2014, 24, 569-577.	1.3	32
66	Bis(porphyrin)â€“Anthraquinone Triads: Synthesis, Spectroscopy, and Photochemistry. Journal of Physical Chemistry A, 2013, 117, 2944-2951.	1.1	31
67	Comparative photophysical and femtosecond third-order nonlinear optical properties of novel imidazole substituted metal phthalocyanines. Dyes and Pigments, 2021, 184, 108791.	2.0	31
68	Ferrocenyl pyrazoline based multichannel receptors for a simple and highly selective recognition of Hg2+ and Cu2+ ions. Journal of Organometallic Chemistry, 2015, 780, 20-29.	0.8	30
69	Hypochlorite-promoted inhibition of photo-induced electron transfer in phenothiazineâ€“borondipyrromethene donorâ€“acceptor dyad: a cost-effective and metal-free â€œturn-onâ€• fluorescent chemosensor for hypochlorite. New Journal of Chemistry, 2017, 41, 5322-5333.	1.4	30
70	Stable and charge recombination minimized Ï€-extended thioalkyl substituted tetrathiafulvalene dye-sensitized solar cells. Materials Chemistry Frontiers, 2017, 1, 460-467.	3.2	30
71	Dâ€“Ï€â€“A system based on zinc porphyrin dyes for dye-sensitized solar cells: Combined experimental and DFTâ€“TDDFT study. Polyhedron, 2015, 100, 313-320.	1.0	29
72	Efficient near IR porphyrins containing a triphenylamine-substituted anthryl donating group for dye sensitized solar cells. Journal of Materials Chemistry C, 2019, 7, 13594-13605.	2.7	29

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73	Optoelectronic, femtosecond nonlinear optical properties and excited state dynamics of a triphenyl imidazole induced phthalocyanine derivative. RSC Advances, 2019, 9, 36726-36741.	1.7	29
74	Recent Advances in Perovskite-Based Solar Cells. Current Science, 2016, 111, 1173.	0.4	29
75	Axialâ€Bonding Heterotrimers Based on Tetrapyrrolic Rings: Synthesis, Characterization, and Redox and Photophysical Properties. Chemistry - an Asian Journal, 2007, 2, 1574-1580.	1.7	28
76	Synthesis, crystal structure, electronic spectroscopy, electrochemistry and biological studies of carbohydrate containing ferrocene amides. Applied Organometallic Chemistry, 2012, 26, 369-376.	1.7	28
77	Ambient stable, hydrophobic, electrically conductive porphyrin hole-extracting materials for printable perovskite solar cells. Journal of Materials Chemistry C, 2019, 7, 4702-4708.	2.7	28
78	Solvent Effects on the Electrochemistry and Spectroelectrochemistry of Diruthenium Complexes. Studies of Ru2(L)4Cl Where L = 2-CH3ap, 2-Fap, and 2,4,6-F3ap, and ap Is the 2-Anilinopyridinate Anion. Inorganic Chemistry, 2003, 42, 8309-8319.	1.9	27
79	Synthesis, Structural, Spectroscopic, and Electrochemical Characterization of High Oxidation State Diruthenium Complexes Containing Four Identical Unsymmetrical Bridging Ligands. Inorganic Chemistry, 2004, 43, 4825-4832.	1.9	27
80	Ultrafast Photoinduced Charge Separation Leading to Highâ€Energy Radical Ionâ€Pairs in Directly Linked Corroleâ€“C₆₀ and Triphenylamineâ€“Corroleâ€C₆₀ Donorâ€“Acceptor Conjugates. Chemistry - an Asian Journal, 2015, 10, 2708-2719.	1.7	27
81	Femtosecond to Microsecond Dynamics of Soret-Band Excited Corroles. Journal of Physical Chemistry C, 2015, 119, 28691-28700.	1.5	27
82	Ultrafast nonlinear optical properties and excited-state dynamics of Soret-band excited D-Ï€-D porphyrins. Optical Materials, 2020, 107, 110041.	1.7	27
83	Benzimidazole-functionalized ancillary ligands for heteroleptic Ru(<scp>ii</scp>) complexes: synthesis, characterization and dye-sensitized solar cell applications. Dalton Transactions, 2015, 44, 14697-14706.	1.6	26
84	Triphenylamine-functionalized corrole sensitizers for solar-cell applications. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 194-202.	0.8	26
85	Bulky Nature Phenanthroimidazole-Based Porphyrin Sensitizers for Dye-Sensitized Solar Cell Applications. Journal of Physical Chemistry C, 2017, 121, 25691-25704.	1.5	26
86	Synthesis, characterization and antimicrobial evaluation of ferroceneâ€“oxime ether benzyl 1<i>H</i>-1,2,3-triazole hybrids. New Journal of Chemistry, 2019, 43, 8341-8351.	1.4	26
87	Ferrocenyl chalcogeno (sugar) triazole conjugates: Synthesis, characterization and anticancer properties. Journal of Organometallic Chemistry, 2016, 813, 125-130.	0.8	25
88	Hypochloriteâ€Mediated Modulation of Photoinduced Electron Transfer in a Phenothiazineâ€“Boron dipyrromethene Electron Donorâ€“Acceptor Dyad: A Highly Water Soluble â€œTurnâ€Onâ€•Fluorescent Probe for Hypochlorite. Chemistry - an Asian Journal, 2018, 13, 1594-1608.	1.7	25
89	Substituent and Isomer Effects on Structural, Spectroscopic, and Electrochemical Properties of Dirhodium(III,II) Complexes Containing Four Identical Unsymmetrical Bridging Ligands. Inorganic Chemistry, 2003, 42, 8663-8673.	1.9	24
90	Electrochemical and Spectroelectrochemical Characterization of Ru24+and Ru23+Complexes under a CO Atmosphere. Inorganic Chemistry, 2004, 43, 1012-1020.	1.9	24

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91	Synthesis, characterization, electrochemistry and optical properties of new 1,3,5-trisubstituted ferrocenyl pyrazolines and pyrazoles containing sulfonamide moiety. Journal of Organometallic Chemistry, 2012, 718, 64-73.	0.8	24
92	Effect of amide-triazole linkers on the electrochemical and biological properties of ferrocene-carbohydrate conjugates. Dalton Transactions, 2013, 42, 1180-1190.	1.6	24
93	Photoinduced energy transfer in carbazoleâ€“BODIPY dyads. Physical Chemistry Chemical Physics, 2018, 20, 27418-27428.	1.3	24
94	Intramolecular photoinduced reactions in corroleâ€“pyrene and corroleâ€“fluorene dyad systems. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 284, 18-26.	2.0	23
95	Corroleâ€“ferrocene and corroleâ€“anthraquinone dyads: synthesis, spectroscopy and photochemistry. Physical Chemistry Chemical Physics, 2015, 17, 26607-26620.	1.3	23
96	Metallated Macrocyclic Derivatives as a Hole â€“ Transporting Materials for Perovskite Solar Cells. Chemical Record, 2019, 19, 2157-2177.	2.9	23
97	Tetrathiafulvalene Scaffold-Based Sensitizer on Hierarchical Porous TiO₂: Efficient Light-Harvesting Material for Hydrogen Production. Journal of Physical Chemistry C, 2019, 123, 70-81.	1.5	23
98	Ultrafast photophysical and nonlinear optical properties of novel free base and axially substituted phosphorus (V) corroles. Journal of Molecular Liquids, 2020, 311, 113308.	2.3	23
99	Synthesis, electrochemical and photophysical properties of Î²-carboxy triaryl corroles. Tetrahedron Letters, 2012, 53, 991-993.	0.7	22
100	Ultrafast Intramolecular Photoinduced Energy Transfer Events in Benzothiazoleâ€“Borondipyrromethene Donorâ€“Acceptor Dyads. Journal of Physical Chemistry C, 2016, 120, 16305-16321.	1.5	22
101	Stipulating Low Production Cost Solar Cells All Set to Retailâ€¦!. Chemical Record, 2019, 19, 661-674.	2.9	22
102	Unravelling the impact of thiophene auxiliary in new porphyrin sensitizers for high solar energy conversion. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112408.	2.0	22
103	A new terpyridine cobalt complex redox shuttle for dye-sensitized solar cells. Inorganica Chimica Acta, 2013, 406, 106-112.	1.2	21
104	Near-infrared absorbing unsymmetrical Zn(II) phthalocyanine for dye-sensitized solar cells. Inorganica Chimica Acta, 2013, 407, 289-296.	1.2	21
105	Palladium(II) carbohydrate complexes of alkyl, aryl and ferrocenyl esters and their cytotoxic activities. Inorganica Chimica Acta, 2014, 416, 164-170.	1.2	21
106	Synthesis and functional characterization of a fluorescent peptide probe for non invasive imaging of collagen in live tissues. Experimental Cell Research, 2014, 327, 91-101.	1.2	21
107	Multistep Electron Injection Dynamics and Optical Nonlinearity Investigations of Ï€-Extended Thioalkyl-Substituted Tetrathiafulvalene Sensitizers. Journal of Physical Chemistry C, 2020, 124, 24039-24051.	1.5	21
108	Synthesis and photoelectrochemical characterization of a high molar extinction coefficient heteroleptic ruthenium(II) complex. Journal of Chemical Sciences, 2011, 123, 371-378.	0.7	20

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109	Ethynyl thiophene-appended unsymmetrical zinc porphyrin sensitizers for dye-sensitized solar cells. RSC Advances, 2014, 4, 14165-14175.	1.7	20
110	Photoinduced intramolecular reactions in triphenylamineâ€“corrole dyads. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 296, 11-18.	2.0	20
111	Design of diketopyrrolopyrrole chromophores applicable as sensitizers in dye-sensitized photovoltaic windows for green houses. Dyes and Pigments, 2016, 134, 472-479.	2.0	20
112	Effect of spacers and anchoring groups of extended Ï€-conjugated tetrathiafulvalene based sensitizers on the performance of dye sensitized solar cells. Sustainable Energy and Fuels, 2017, 1, 345-353.	2.5	20
113	Germanium(IV) phthalocyanine-porphyrin based hetero trimers: synthesis, spectroscopy and photochemistry. Journal of Porphyrins and Phthalocyanines, 2012, 16, 282-289.	0.4	19
114	Optical, electrochemical, third-order nonlinear optical, and excited state dynamics studies of thio-zinc phthalocyanine. Journal of Porphyrins and Phthalocyanines, 2014, 18, 305-315.	0.4	19
115	Light induced intramolecular electron and energy transfer events in rigidly linked borondipyrromethene: Corrole Dyad. Journal of Luminescence, 2016, 177, 209-218.	1.5	19
116	Near-infrared unsymmetrical blue and green squaraine sensitizers. Photochemical and Photobiological Sciences, 2016, 15, 287-296.	1.6	19
117	Influence of strong electron donating nature of phenothiazine on A3B- type porphyrin based dye sensitized solar cells. Solar Energy, 2019, 184, 620-627.	2.9	19
118	Effects of methoxy group(s) on D-Ï€-A porphyrin based DSSCs: efficiency enhanced by co-sensitization. Materials Chemistry Frontiers, 2022, 6, 580-592.	3.2	19
119	Carbohydrate-Based Ferrocenyl Boronate Esters: Synthesis, Characterization, Crystal Structures, and Antibacterial Activity. European Journal of Inorganic Chemistry, 2013, 2013, 5311-5319.	1.0	18
120	(4-Ferrocenylphenyl)propargyl ether derived carbohydrate triazoles: influence of a hydrophobic linker on the electrochemical and cytotoxic properties. New Journal of Chemistry, 2014, 38, 227-236.	1.4	18
121	Synthesis and spectroscopic studies of axially bound tetra(phenothiazinyl)/tetra(bis(4â€²-tert-butylbiphenyl-4-yl)aniline)-zinc(II)porphyrin-fullero[C60 & C70]pyrrolidine donorâ€“acceptor triads. Inorganic Chemistry Communication, 2016, 66, 5-10.	1.8	18
122	Axially substituted phosphorous(<scp>v</scp>) corrole with polycyclic aromatic hydrocarbons: syntheses, X-ray structures, and photoinduced energy and electron transfer studies. New Journal of Chemistry, 2018, 42, 8230-8240.	1.4	18
123	Kinetics of dye regeneration in liquid electrolyte unveils efficiency of 10.5% in dye-sensitized solar cells. Journal of Materials Chemistry C, 2018, 6, 11444-11456.	2.7	18
124	Novel Amphiphilic G-Quadruplex Binding Synthetic Derivative of TMPyP4 and Its Effect on Cancer Cell Proliferation and Apoptosis Induction. Biochemistry, 2018, 57, 6514-6527.	1.2	18
125	Demagnetization field driven charge transport in a TiO2 based dye sensitized solar cell. Solar Energy, 2019, 187, 281-289.	2.9	18
126	Porphyrin-based supramolecular assemblies and their applications in NLO and PDT. Journal of Porphyrins and Phthalocyanines, 2021, 25, 382-395.	0.4	18

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127	Functionalized zinc porphyrin as light harvester in dye sensitized solar cells. Journal of Chemical Sciences, 2008, 120, 455-462.	0.7	17
128	One-pot synthesis of Î²-carboxy tetra aryl porphyrins: potential applications to dye-sensitized solar cells. Tetrahedron Letters, 2010, 51, 2865-2867.	0.7	17
129	1â€(2â€Pyridyl)â€3â€ferrocenylpyrazolineâ€Based Multichannel Signaling Receptors for Co²⁺, Cu²⁺, and Zn²⁺ Ions. European Journal of Inorganic Chemistry, 2013, 2013, 6019-6027.	1.0	17
130	Excitational energy and photoinduced electron transfer reactions in Ge(IV) corroleâ€“porphyrin hetero dimers. Journal of Luminescence, 2014, 145, 357-363.	1.5	17
131	Carbazole-based sensitizers for potential application to dye sensitized solar cells. Journal of Chemical Sciences, 2015, 127, 383-394.	0.7	17
132	Efficient Solution Processable Polymer Solar Cells Using Newly Designed and Synthesized Fullerene Derivatives. Journal of Physical Chemistry C, 2016, 120, 19493-19503.	1.5	17
133	Microwave-Assisted, Rapid, Solvent-Free Aza-Michael Reaction by Perchloric Acid Impregnated on Silica Gel. Synthetic Communications, 2009, 39, 3982-3989.	1.1	15
134	Optical, electrochemical, third order nonlinear optical, and excited state dynamics studies of bis(3,5-trifluoromethyl)phenyl-zinc phthalocyanine. RSC Advances, 2015, 5, 20810-20817.	1.7	15
135	Unveiling the Reversibility of Crystallineâ€“Amorphous Nanostructures via Sonication-Induced Protonation. Journal of Physical Chemistry C, 2018, 122, 10255-10260.	1.5	15
136	Role of Ï€-spacer in regulating the photovoltaic performance of copper electrolyte dye-sensitized solar cells using triphenylimidazole dyes. Materials Advances, 2022, 3, 1231-1239.	2.6	15
137	Intramolecular Energy Transfer in a Protoporphyrin-(Anthracene)2 Triad#. Research on Chemical Intermediates, 1999, 25, 769-788.	1.3	14
138	Highly Efficient Microwaveâ€Assisted Synthesis of Subphthalocyanines. Synthetic Communications, 2007, 37, 4141-4147.	1.1	14
139	Î²-pyrrole substituted porphyrinâ€“pyrene dyads using vinylene spacer: Synthesis, characterization and photophysical properties. Journal of Chemical Sciences, 2013, 125, 259-266.	0.7	14
140	Metal-free propargylation/aza-annulation approach to substituted Î²-carbolines and evaluation of their photophysical properties. Organic and Biomolecular Chemistry, 2019, 17, 9291-9304.	1.5	14
141	Crystalline D-Ï€-D porphyrin molecules as a hole-transporting material for printable perovskite solar cells. Solar Energy, 2020, 206, 539-547.	2.9	14
142	Ï€â€Conjugated Materials Derived From Boronâ€Chalcogenophene Combination. A Brief Description of Synthetic Routes and Optoelectronic Applications. Chemical Record, 2021, 21, 1738-1770.	2.9	14
143	Synthesis, Structure and Photophysical Properties of Ferrocenyl or Mixed Sandwich Cobaltocenyl Ester Linked <i>meso</i>â€Tetratolylporphyrin Dyads. Photochemistry and Photobiology, 2015, 91, 33-41.	1.3	13
144	MA₂CoBr₄: lead-free cobalt-based perovskite for electrochemical conversion of water to oxygen. Chemical Communications, 2019, 55, 6779-6782.	2.2	13

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145	1,2,3â€Triazole derivatives of 3â€ferrocenylideneâ€2â€oxindole: Synthesis, characterization, electrochemical and antimicrobial evaluation. Applied Organometallic Chemistry, 2019, 33, e4817.	1.7	13
146	Bioactive isatin (oxime)-triazole-thiazolidinedione ferrocene molecular conjugates: Design, synthesis and antimicrobial activities. Journal of Organometallic Chemistry, 2021, 937, 121716.	0.8	13
147	Efficient visible-light-driven hydrogen production by Znâ€“porphyrin based photocatalyst with engineered active donorâ€“acceptor sites. Materials Advances, 2021, 2, 4762-4771.	2.6	13
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