

Lingamallu Giribabu

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#	Paper	IF	Citations
212	Efficient sensitization of nanocrystalline TiO ₂ films by a near-IR-absorbing unsymmetrical zinc phthalocyanine. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 373-6	16.4	318
211	Photodynamic Therapy: Past, Present and Future. <i>Chemical Record</i> , 2017 , 17, 775-802	6.6	231
210	A Combined Experimental and Computational Investigation of Anthracene Based Sensitizers for DSSC: Comparison of Cyanoacrylic and Malonic Acid Electron Withdrawing Groups Binding onto the TiO ₂ Anatase (101) Surface. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20117-20126	3.8	172
209	Femtosecond and nanosecond nonlinear optical properties of alkyl phthalocyanines studied using Z-scan technique. <i>Chemical Physics Letters</i> , 2007 , 447, 274-278	2.5	150
208	Nonlinear optical and optical limiting properties of phthalocyanines in solution and thin films of PMMA at 633nm studied using a cw laser. <i>Materials Letters</i> , 2007 , 61, 4426-4431	3.3	130
207	Metal-free organic dyes for dye-sensitized solar cells: recent advances. <i>Tetrahedron</i> , 2012 , 68, 8383-8393	3.4	123
206	DNA interactions of new mixed-ligand complexes of cobalt(III) and nickel(II) that incorporate modified phenanthroline ligands. <i>Journal of Inorganic Biochemistry</i> , 2003 , 94, 138-45	4.2	123
205	Unsymmetrical alkoxy zinc phthalocyanine for sensitization of nanocrystalline TiO ₂ films. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 1611-1617	6.4	121
204	Large third-order optical nonlinearity and optical limiting in symmetric and unsymmetrical phthalocyanines studied using Z-scan. <i>Optics Communications</i> , 2007 , 280, 206-212	2	117
203	Studies of third-order optical nonlinearity and nonlinear absorption in tetra tolyl porphyrins using degenerate four wave mixing and Z-scan. <i>Optics Communications</i> , 2000 , 182, 255-264	2	107
202	Donor-Acceptor Based Stable Porphyrin Sensitizers for Dye-Sensitized Solar Cells: Effect of Conjugated Spacers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 6464-6477	3.8	85
201	D-A organic dyes with carbazole as donor for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2011 , 161, 96-105	3.6	85
200	Molecular engineering of sensitizers for dye-sensitized solar cell applications. <i>Chemical Record</i> , 2012 , 12, 306-28	6.6	84
199	"Axial-Bonding"-Type Hybrid Porphyrin Arrays: Synthesis, Spectroscopy, Electrochemistry, and Singlet State Properties. <i>Inorganic Chemistry</i> , 1999 , 38, 4971-4980	5.1	82
198	Emerging molecular design strategies of unsymmetrical phthalocyanines for dye-sensitized solar cell applications. <i>RSC Advances</i> , 2014 , 4, 6970	3.7	81
197	Femtosecond nonlinear optical properties of alkoxy phthalocyanines at 800nm studied using Z-Scan technique. <i>Chemical Physics Letters</i> , 2008 , 464, 211-215	2.5	79
196	Nonlinear optical and optical limiting studies of alkoxy phthalocyanines in solutions studied at 532 nm with nanosecond pulse excitation. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 91, 149-156	1.9	74

195	Recent advances in flexible perovskite solar cells. <i>Chemical Communications</i> , 2015 , 51, 14696-707	5.8	71
194	Ultrafast nonlinear optical properties of alkyl-phthalocyanine nanoparticles investigated using Z-scan technique. <i>Journal of Applied Physics</i> , 2009 , 105, 053109	2.5	66
193	Efficient Sensitization of Nanocrystalline TiO ₂ Films by a Near-IR-Absorbing Unsymmetrical Zinc Phthalocyanine. <i>Angewandte Chemie</i> , 2007 , 119, 377-380	3.6	62
192	New molecular arrays based on a tin(IV) porphyrin scaffold. <i>Inorganic Chemistry</i> , 2001 , 40, 6757-66	5.1	59
191	Sterically demanding zinc(II) phthalocyanines: synthesis, optical, electrochemical, nonlinear optical, excited state dynamics studies. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1711-1722	7.1	57
190	Emerging of Inorganic Hole Transporting Materials For Perovskite Solar Cells. <i>Chemical Record</i> , 2017 , 17, 681-699	6.6	56
189	Photoinduced electron transfer in bisporphyrin-diimide complexes. <i>Chemistry - A European Journal</i> , 2002 , 8, 3938-47	4.8	56
188	Porphyrin-rhodanine dyads for dye sensitized solar cells. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006 , 10, 1007-1016	1.8	54
187	Recent Advances in Halide-Based Perovskite Crystals and Their Optoelectronic Applications. <i>Crystal Growth and Design</i> , 2018 , 18, 2645-2664	3.5	51
186	Unsymmetrical extended π -conjugated zinc phthalocyanine for sensitization of nanocrystalline TiO ₂ films. <i>Journal of Chemical Sciences</i> , 2009 , 121, 75-82	1.8	49
185	. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 17828-17837	3.8	48
184	Electronically and Catalytically Functional Carbon Cloth as a Permeable and Flexible Counter Electrode for Dye Sensitized Solar Cell. <i>Electrochimica Acta</i> , 2014 , 123, 248-253	6.7	47
183	Recent Advances of Cobalt(II/III) Redox Couples for Dye-Sensitized Solar Cell Applications. <i>Chemical Record</i> , 2015 , 15, 760-88	6.6	45
182	Orientation Dependence of Energy Transfer in an Anthracene-Porphyrin Donor-Acceptor System This work was supported by CSIR and DST (New Delhi, India). We thank Dr. T. P. Radhakrishnan for many helpful discussions.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3621-3624	16.4	43
181	A new family of heteroleptic ruthenium(II) polypyridyl complexes for sensitization of nanocrystalline TiO ₂ films. <i>Dalton Transactions</i> , 2011 , 40, 4497-504	4.3	42
180	Picosecond nonlinear optical studies of unsymmetrical alkyl and alkoxy phthalocyanines. <i>Materials Letters</i> , 2010 , 64, 1915-1917	3.3	41
179	Subphthalocyanine as hole transporting material for perovskite solar cells. <i>RSC Advances</i> , 2015 , 5, 69813-69814	3.7	40
178	Picosecond and femtosecond optical nonlinearities of novel corroles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 140-148	1.8	40

177	Excited state dynamics in tetra tolyl porphyrins studied using degenerate four wave mixing with incoherent light and ps pulses. <i>Optics Communications</i> , 2001 , 192, 123-133	2	40
176	Corrole dyes for dye-sensitized solar cells: The crucial role of the dye/semiconductor energy level alignment. <i>Computational and Theoretical Chemistry</i> , 2014 , 1030, 59-66	2	38
175	Synthesis, Optical, Electrochemical, DFT Studies, NLO Properties, and Ultrafast Excited State Dynamics of Carbazole-Induced Phthalocyanine Derivatives. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11118-11133	3.8	36
174	Synthesis, Crystal Structure, Electronic Spectroscopy, Electrochemistry and Biological Studies of Ferrocene-Carbohydrate Conjugates. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2267-2277	2.3	36
173	High molar extinction coefficient amphiphilic ruthenium sensitizers for efficient and stable mesoscopic dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2009 , 2, 770	35.4	36
172	Fluorescence and absorption spectroscopic studies on the interaction of porphyrins with snake gourd (<i>Trichosanthes anguina</i>) seed lectin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 55, 49-55	6.7	36
171	Novel Catalytic Hunsdiecker-Bleck (CHH) Strategy toward All-E Stereocontrolled Ferrocene-Capped Conjugated Push-Pull Polyenes. <i>Organometallics</i> , 2000 , 19, 1464-1469	3.8	36
170	Near-infrared squaraine co-sensitizer for high-efficiency dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14279-85	3.6	35
169	Hierarchical Porous TiO ₂ Embedded Unsymmetrical Zinc-Phthalocyanine Sensitizer for Visible-Light-Induced Photocatalytic H ₂ Production. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 495-502	3.8	35
168	Sterically demanded unsymmetrical zinc phthalocyanines for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2013 , 98, 518-529	4.6	34
167	Soluble tetratriphenylamine Zn phthalocyanine as Hole Transporting Material for Perovskite Solar Cells. <i>Electrochimica Acta</i> , 2016 , 222, 875-880	6.7	32
166	Ultrafast Interfacial Charge-Transfer Dynamics in a Donor-Acceptor Chromophore Sensitized TiO ₂ Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4824-4835	3.8	32
165	Role of Co-Sensitizers in Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , 2017 , 10, 4668-4689	8.3	32
164	Spacer controlled photo-induced intramolecular electron transfer in a series of phenothiazine-boron dipyrromethene donor-acceptor dyads. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 312, 8-19	4.7	31
163	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. <i>Synthetic Metals</i> , 2011 , 161, 869-880	3.6	31
162	Sulfonated naphthyl porphyrins as agents against HIV-1. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 813-21	4.1	31
161	Pt-free spray coated reduced graphene oxide counter electrodes for dye sensitized solar cells. <i>Solar Energy</i> , 2016 , 137, 143-147	6.8	30
160	Triphenylamine-phthalocyanine based sensitizer for sensitization of nanocrystalline TiO ₂ films. <i>Solar Energy</i> , 2011 , 85, 1204-1212	6.8	30

159	Carbon nanohorns based counter electrodes developed by spray method for dye sensitized solar cells. <i>Solar Energy</i> , 2016 , 133, 524-532	6.8	30
158	Synthesis and characterization of tetratriphenylamine Zn phthalocyanine as hole transporting material for perovskite solar cells. <i>Solar Energy</i> , 2016 , 140, 60-65	6.8	27
157	Bis(porphyrin)-anthraquinone triads: synthesis, spectroscopy, and photochemistry. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2944-51	2.8	27
156	Ultrafast nonlinear optical properties of alkyl phthalocyanines investigated using degenerate four-wave mixing technique. <i>Optical Materials</i> , 2009 , 31, 1042-1047	3.3	27
155	Recent developments in tetrathiafulvalene and dithiafulvalene based metal-free organic sensitizers for dye-sensitized solar cells: a mini-review. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 678-688	5.8	26
154	DSSC system based on zinc porphyrin dyes for dye-sensitized solar cells: Combined experimental and DFT/TDDFT study. <i>Polyhedron</i> , 2015 , 100, 313-320	2.7	26
153	Picosecond optical nonlinearities in symmetrical and unsymmetrical phthalocyanines studied using the Z-scan technique 2010 , 75, 1017-1023		26
152	Synthesis, structural, spectroscopic, and electrochemical characterization of high oxidation state diruthenium complexes containing four identical unsymmetrical bridging ligands. <i>Inorganic Chemistry</i> , 2004 , 43, 4825-32	5.1	26
151	Benzimidazole-functionalized ancillary ligands for heteroleptic Ru(II) complexes: synthesis, characterization and dye-sensitized solar cell applications. <i>Dalton Transactions</i> , 2015 , 44, 14697-706	4.3	25
150	Triphenylamine-functionalized corrole sensitizers for solar-cell applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 194-202	1.6	25
149	Stable and charge recombination minimized β -extended thioalkyl substituted tetrathiafulvalene dye-sensitized solar cells. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 460-467	7.8	25
148	Synthesis, crystal structure, electronic spectroscopy, electrochemistry and biological studies of carbohydrate containing ferrocene amides. <i>Applied Organometallic Chemistry</i> , 2012 , 26, 369-376	3.1	25
147	Axial-bonding heterotrimers based on tetrapyrrolic rings: synthesis, characterization, and redox and photophysical properties. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1574-80	4.5	25
146	Solvent effects on the electrochemistry and spectroelectrochemistry of diruthenium complexes. Studies of Ru ₂ (L) ₄ Cl where L=2-CH ₃ ap, 2-Fap, and 2,4,6-F ₃ ap, and ap is the 2-anilinopyridinate anion. <i>Inorganic Chemistry</i> , 2003 , 42, 8309-19	5.1	25
145	Recent Progress and Emerging Applications of Rare Earth Doped Phosphor Materials for Dye-Sensitized and Perovskite Solar Cells: A Review. <i>Chemical Record</i> , 2020 , 20, 65-88	6.6	25
144	Femtosecond, broadband nonlinear optical studies of a zinc porphyrin and zinc phthalocyanine. <i>Optics and Laser Technology</i> , 2018 , 108, 418-425	4.2	24
143	Phosphorus(V)corrole- Porphyrin Based Hetero Trimers: Synthesis, Spectroscopy and Photochemistry. <i>Journal of Fluorescence</i> , 2014 , 24, 569-77	2.4	24
142	Hypochlorite-promoted inhibition of photo-induced electron transfer in phenothiazine-Borondipyrromethene donor-acceptor dyad: a cost-effective and metal-free Turn-on/Fluorescent chemosensor for hypochlorite. <i>New Journal of Chemistry</i> , 2017 , 41, 5322-5333	3.6	23

141	Enhanced light harvesting with novel photon upconverted Y ₂ CaZnO ₅ :Er ³⁺ /Yb ³⁺ nanophosphors for dye sensitized solar cells. <i>Solar Energy</i> , 2017 , 157, 956-965	6.8	23
140	Ultrafast Photoinduced Charge Separation Leading to High-Energy Radical Ion-Pairs in Directly Linked Corrole-C60 and Triphenylamine-Corrole-C60 Donor-Acceptor Conjugates. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 2708-19	4.5	23
139	Revealing high hydrogen evolution activity in zinc porphyrin sensitized hierarchical porous TiO ₂ photocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 7508-7516	6.7	23
138	Bulky Phenanthroimidazole-Phenothiazine D π A Based Organic Sensitizers for Application in Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6758-6767	6.1	22
137	Ferrocenyl pyrazoline based multichannel receptors for a simple and highly selective recognition of Hg ²⁺ and Cu ²⁺ ions. <i>Journal of Organometallic Chemistry</i> , 2015 , 780, 20-29	2.3	22
136	Synthesis, characterization, electrochemistry and optical properties of new 1,3,5-trisubstituted ferrocenyl pyrazolines and pyrazoles containing sulfonamide moiety. <i>Journal of Organometallic Chemistry</i> , 2012 , 718, 64-73	2.3	22
135	Effect of amide-triazole linkers on the electrochemical and biological properties of ferrocene-carbohydrate conjugates. <i>Dalton Transactions</i> , 2013 , 42, 1180-90	4.3	22
134	Electrochemical and spectroelectrochemical characterization of Ru(2)(4+) and Ru(2)(3+) complexes under a CO atmosphere. <i>Inorganic Chemistry</i> , 2004 , 43, 1012-20	5.1	22
133	Substituent and isomer effects on structural, spectroscopic, and electrochemical properties of dirhodium(III,II) complexes containing four identical unsymmetrical bridging ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 8663-73	5.1	22
132	Synthesis, electrochemical and photophysical properties of π -carboxy triaryl corroles. <i>Tetrahedron Letters</i> , 2012 , 53, 991-993	2	21
131	Bulky Nature Phenanthroimidazole-Based Porphyrin Sensitizers for Dye-Sensitized Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25691-25704	3.8	20
130	Hypochlorite-Mediated Modulation of Photoinduced Electron Transfer in a Phenothiazine-Boron dipyrromethene Electron Donor-Acceptor Dyad: A Highly Water Soluble "Turn-On" Fluorescent Probe for Hypochlorite. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1594-1608	4.5	20
129	Synthesis and photoelectrochemical characterization of a high molar extinction coefficient heteroleptic ruthenium(II) complex. <i>Journal of Chemical Sciences</i> , 2011 , 123, 371-378	1.8	20
128	Corrole-ferrocene and corrole-anthraquinone dyads: synthesis, spectroscopy and photochemistry. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 26607-20	3.6	19
127	Efficient near IR porphyrins containing a triphenylamine-substituted anthryl donating group for dye sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13594-13605	7.1	19
126	Intramolecular photoinduced reactions in corrole-pyrene and corrole-fluorene dyad systems. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014 , 284, 18-26	4.7	19
125	Near-infrared absorbing unsymmetrical Zn(II) phthalocyanine for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013 , 407, 289-296	2.7	19
124	Femtosecond to Microsecond Dynamics of Soret-Band Excited Corroles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28691-28700	3.8	19

123	Ultrafast Intramolecular Photoinduced Energy Transfer Events in Benzothiazole-Borondipyrromethene Donor-Acceptor Dyads. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 16305-16321	3.8	19
122	Effect of spacers and anchoring groups of extended π -conjugated tetrathiafulvalene based sensitizers on the performance of dye sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 345-353	5.8	18
121	Ambient stable, hydrophobic, electrically conductive porphyrin hole-extracting materials for printable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4702-4708	7.1	18
120	Near-infrared unsymmetrical blue and green squaraine sensitizers. <i>Photochemical and Photobiological Sciences</i> , 2016 , 15, 287-96	4.2	18
119	Palladium(II) carbohydrate complexes of alkyl, aryl and ferrocenyl esters and their cytotoxic activities. <i>Inorganica Chimica Acta</i> , 2014 , 416, 164-170	2.7	18
118	A new terpyridine cobalt complex redox shuttle for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013 , 406, 106-112	2.7	18
117	Ethynyl thiophene-appended unsymmetrical zinc porphyrin sensitizers for dye-sensitized solar cells. <i>RSC Advances</i> , 2014 , 4, 14165-14175	3.7	18
116	Recent Advances in Perovskite-Based Solar Cells. <i>Current Science</i> , 2016 , 111, 1173	2.2	18
115	Tetrathiafulvalene Scaffold-Based Sensitizer on Hierarchical Porous TiO ₂ : Efficient Light-Harvesting Material for Hydrogen Production. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 70-81	3.8	18
114	Synthesis and functional characterization of a fluorescent peptide probe for non invasive imaging of collagen in live tissues. <i>Experimental Cell Research</i> , 2014 , 327, 91-101	4.2	17
113	Germanium(IV) phthalocyanine-porphyrin based hetero trimers: synthesis, spectroscopy and photochemistry. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 282-289	1.8	17
112	Functionalized zinc porphyrin as light harvester in dye sensitized solar cells. <i>Journal of Chemical Sciences</i> , 2008 , 120, 455-462	1.8	17
111	Photoinduced energy transfer in carbazole-BODIPY dyads. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 27418-27428	3.6	17
110	Synthesis, characterization and antimicrobial evaluation of ferrocene-oxime ether benzyl 1H-1,2,3-triazole hybrids. <i>New Journal of Chemistry</i> , 2019 , 43, 8341-8351	3.6	16
109	Photoinduced intramolecular reactions in triphenylamine-oxirrole dyads. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 296, 11-18	4.7	16
108	Synthesis and spectroscopic studies of axially bound tetra(phenothiazinyl)/tetra(bis(4-tert-butylphenyl-4-yl)aniline)-zinc(II)porphyrin-fullero[C ₆₀ & C ₇₀]pyrrolidine donor-acceptor triads. <i>Inorganic Chemistry Communication</i> , 2016 , 66, 5-10	3.1	16
107	Excitational energy and photoinduced electron transfer reactions in Ge(IV) corrole-porphyrin hetero dimers. <i>Journal of Luminescence</i> , 2014 , 145, 357-363	3.8	16
106	Optical, electrochemical, third-order nonlinear optical, and excited state dynamics studies of thio-zinc phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014 , 18, 305-315	1.8	16

105	One-pot synthesis of β -carboxy tetra aryl porphyrins: potential applications to dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2010 , 51, 2865-2867	2	16
104	Orientation Dependence of Energy Transfer in an AnthracenePorphyrin DonorAcceptor System. <i>Angewandte Chemie</i> , 2001 , 113, 3733-3736	3.6	16
103	Design of diketopyrrolopyrrole chromophores applicable as sensitizers in dye-sensitized photovoltaic windows for green houses. <i>Dyes and Pigments</i> , 2016 , 134, 472-479	4.6	16
102	Comparative photophysical and femtosecond third-order nonlinear optical properties of novel imidazole substituted metal phthalocyanines. <i>Dyes and Pigments</i> , 2021 , 184, 108791	4.6	16
101	Carbazole-based sensitizers for potential application to dye sensitized solar cells. <i>Journal of Chemical Sciences</i> , 2015 , 127, 383-394	1.8	15
100	Ultrafast photophysical and nonlinear optical properties of novel free base and axially substituted phosphorus (V) corroles. <i>Journal of Molecular Liquids</i> , 2020 , 311, 113308	6	15
99	1-(2-Pyridyl)-3-ferrocenylpyrazoline-Based Multichannel Signaling Receptors for Co ²⁺ , Cu ²⁺ , and Zn ²⁺ Ions. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 6019-6027	2.3	15
98	Optical, electrochemical, third order nonlinear optical, and excited state dynamics studies of bis(3,5-trifluoromethyl)phenyl-zinc phthalocyanine. <i>RSC Advances</i> , 2015 , 5, 20810-20817	3.7	15
97	Carbohydrate-Based Ferrocenyl Boronate Esters: Synthesis, Characterization, Crystal Structures, and Antibacterial Activity. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5311-5319	2.3	15
96	Ferrocenyl chalcogeno (sugar) triazole conjugates: Synthesis, characterization and anticancer properties. <i>Journal of Organometallic Chemistry</i> , 2016 , 813, 125-130	2.3	15
95	Efficient Solution Processable Polymer Solar Cells Using Newly Designed and Synthesized Fullerene Derivatives. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19493-19503	3.8	15
94	Cu(II/I) redox couples: potential alternatives to traditional electrolytes for dye-sensitized solar cells. <i>Materials Advances</i> , 2021 , 2, 1229-1247	3.3	15
93	Influence of strong electron donating nature of phenothiazine on A3B- type porphyrin based dye sensitized solar cells. <i>Solar Energy</i> , 2019 , 184, 620-627	6.8	14
92	Metallated Macrocyclic Derivatives as a Hole - Transporting Materials for Perovskite Solar Cells. <i>Chemical Record</i> , 2019 , 19, 2157-2177	6.6	14
91	Optoelectronic, femtosecond nonlinear optical properties and excited state dynamics of a triphenyl imidazole induced phthalocyanine derivative.. <i>RSC Advances</i> , 2019 , 9, 36726-36741	3.7	14
90	Kinetics of dye regeneration in liquid electrolyte unveils efficiency of 10.5% in dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11444-11456	7.1	14
89	(4-Ferrocenylphenyl)propargyl ether derived carbohydrate triazoles: influence of a hydrophobic linker on the electrochemical and cytotoxic properties. <i>New Journal of Chemistry</i> , 2014 , 38, 227-236	3.6	13
88	Microwave-Assisted, Rapid, Solvent-Free Aza-Michael Reaction by Perchloric Acid Impregnated on Silica Gel. <i>Synthetic Communications</i> , 2009 , 39, 3982-3989	1.7	13

87	Intramolecular Energy Transfer in a Protoporphyrin-(Anthracene) ₂ Triad#. <i>Research on Chemical Intermediates</i> , 1999 , 25, 769-788	2.8	13
86	Unravelling the impact of thiophene auxiliary in new porphyrin sensitizers for high solar energy conversion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 392, 112408	4.7	13
85	Light induced intramolecular electron and energy transfer events in rigidly linked borondipyromethene: Corrole Dyad. <i>Journal of Luminescence</i> , 2016 , 177, 209-218	3.8	13
84	Synthesis, structure and photophysical properties of ferrocenyl or mixed sandwich cobaltocenyl ester linked meso-tetratolylporphyrin dyads. <i>Photochemistry and Photobiology</i> , 2015 , 91, 33-41	3.6	12
83	Enhanced dye sensitized solar cell performance with high surface area thin ZnO film and PEDOT:PSS. <i>Solar Energy</i> , 2015 , 118, 126-133	6.8	12
82	Durable Unsymmetrical Zinc Phthalocyanine for Near IR Sensitization of Nanocrystalline TiO ₂ Films with Non-Volatile Redox Electrolytes. <i>Journal of Nano Research</i> , 2008 , 2, 39-48	1	12
81	Highly Efficient Microwave-Assisted Synthesis of Subphthalocyanines. <i>Synthetic Communications</i> , 2007 , 37, 4141-4147	1.7	12
80	Ultrafast nonlinear optical properties and excited-state dynamics of Soret-band excited D- π porphyrins. <i>Optical Materials</i> , 2020 , 107, 110041	3.3	11
79	Pyrrole substituted porphyrin-pyrene dyads using vinylene spacer: Synthesis, characterization and photophysical properties. <i>Journal of Chemical Sciences</i> , 2013 , 125, 259-266	1.8	11
78	Metal-free propargylation/aza-annulation approach to substituted carbolines and evaluation of their photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9291-9304	3.9	11
77	Unveiling the Reversibility of Crystalline-Amorphous Nanostructures via Sonication-Induced Protonation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10255-10260	3.8	10
76	Axially substituted phosphorous(V) corrole with polycyclic aromatic hydrocarbons: syntheses, X-ray structures, and photoinduced energy and electron transfer studies. <i>New Journal of Chemistry</i> , 2018 , 42, 8230-8240	3.6	10
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