

# Vinich Promarak

## List of Publications by Citations

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36  
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59  
g-index

211  
ext. papers

5,416  
ext. citations

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L-index

#	Paper	IF	Citations
199	Synthesis, structural and optical properties of CeO <sub>2</sub> nanoparticles synthesized by a simple polyvinyl pyrrolidone (PVP) solution route. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 423-428	4.4	287
198	Egg White Synthesis and Photoluminescence of Platelike Clusters of CeO <sub>2</sub> Nanoparticles. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 950-955	3.5	237
197	Synthesis and optical properties of nanocrystalline ZnO powders by a simple method using zinc acetate dihydrate and poly(vinyl pyrrolidone). <i>Journal of Crystal Growth</i> , <b>2006</b> , 289, 102-106	1.6	183
196	DDA-Type Organic Dyes for Dye-Sensitized Solar Cells with a Potential for Direct Electron Injection and a High Extinction Coefficient: Synthesis, Characterization, and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25653-25663	3.8	128
195	Rice husk-derived sodium silicate as a highly efficient and low-cost basic heterogeneous catalyst for biodiesel production. <i>Energy Conversion and Management</i> , <b>2016</b> , 119, 453-462	10.6	101
194	Biodiesel production from palm oil using hydrated lime-derived CaO as a low-cost basic heterogeneous catalyst. <i>Energy Conversion and Management</i> , <b>2016</b> , 108, 459-467	10.6	98
193	Tri-diketopyrrolopyrrole molecular donor materials for high-performance solution-processed bulk heterojunction solar cells. <i>Advanced Materials</i> , <b>2013</b> , 25, 5898-903	24	95
192	Carbazole dendronised triphenylamines as solution processed high T <sub>g</sub> amorphous hole-transporting materials for organic electroluminescent devices. <i>Chemical Communications</i> , <b>2012</b> , 48, 3382-4	5.8	89
191	Theoretical study on novel double donor-based dyes used in high efficient dye-sensitized solar cells: The application of TDDFT study to the electron injection process. <i>Organic Electronics</i> , <b>2013</b> , 14, 711-722	3.5	81
190	Rubber seed oil as potential non-edible feedstock for biodiesel production using heterogeneous catalyst in Thailand. <i>Renewable Energy</i> , <b>2017</b> , 101, 937-944	8.1	80
189	Effects of stereoisomerism on the crystallization behavior and optoelectrical properties of conjugated molecules. <i>Advanced Materials</i> , <b>2013</b> , 25, 3645-50	24	73
188	Economical and green biodiesel production process using river snail shells-derived heterogeneous catalyst and co-solvent method. <i>Bioresource Technology</i> , <b>2016</b> , 209, 343-50	11	72
187	Biodiesel production based on heterogeneous process catalyzed by solid waste coral fragment. <i>Fuel</i> , <b>2012</b> , 98, 194-202	7.1	71
186	Light-driven molecular switch for reconfigurable spin filters. <i>Nature Communications</i> , <b>2019</b> , 10, 2455	17.4	68
185	Novel bis[5-(fluoren-2-yl)thiophen-2-yl]benzothiadiazole end-capped with carbazole dendrons as highly efficient solution-processed nondoped red emitters for organic light-emitting diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8694-703	9.5	68
184	Pyrene-functionalized carbazole derivatives as non-doped blue emitters for highly efficient blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4916	7.1	67
183	Synthesis and optical properties of nanocrystalline V-doped ZnO powders. <i>Optical Materials</i> , <b>2007</b> , 29, 1700-1705	3.3	65

182	Synthesis of electrochemically and thermally stable amorphous hole-transporting carbazole dendronized fluorene. <i>Synthetic Metals</i> , <b>2007</b> , 157, 17-22	3.6	63
181	Blue light-emitting and hole-transporting materials based on 9,9-bis(4-diphenylaminophenyl)fluorenes for efficient electroluminescent devices. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6869		59
180	Synthesis and Characterization of DDA-Type Organic Dyes Bearing Carbazole as a Donor Moiety (DD) for Efficient Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 5051-5063	3.2	53
179	Carbazole-dendrimer-based donor-acceptor type organic dyes for dye-sensitized solar cells: effect of the size of the carbazole dendritic donor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 8212-8222	3.5	51
178	Bifunctional anthracene derivatives as non-doped blue emitters and hole-transporters for electroluminescent devices. <i>Chemical Communications</i> , <b>2011</b> , 47, 7122-4	5.8	51
177	Synthesis and properties of N-carbazole end-capped conjugated molecules. <i>Tetrahedron</i> , <b>2007</b> , 63, 1602-1609	1.6	51
176	Catalytic performance enhancement of CaO by hydration-dehydration process for biodiesel production at room temperature. <i>Energy Conversion and Management</i> , <b>2018</b> , 165, 1-7	10.6	49
175	Synthesis and optical properties of nanocrystalline ZnO powders prepared by a direct thermal decomposition route. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 94, 755-761	2.6	49
174	Tuning the electron donating ability in the triphenylamine-based D- $\pi$ -A architecture for highly efficient dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 273, 8-16	4.7	48
173	Electronic Properties of Copper(I) Thiocyanate (CuSCN). <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 16003786.4	3.4	46
172	Synthesis and characterization of N-carbazole end-capped oligofluorene-thiophenes. <i>Tetrahedron</i> , <b>2007</b> , 63, 8881-8890	2.4	46
171	Novel bis(fluorenyl)benzothiadiazole-cored carbazole dendrimers as highly efficient solution-processed non-doped green emitters for organic light-emitting diodes. <i>Chemical Communications</i> , <b>2013</b> , 49, 6388-90	5.8	41
170	Complete reaction mechanisms of mercury oxidation on halogenated activated carbon. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 310, 253-60	12.8	40
169	Theoretical investigation of novel carbazole-fluorene based D- $\pi$ -A conjugated organic dyes as dye-sensitizer in dye-sensitized solar cells (DSCs). <i>Journal of Computational Chemistry</i> , <b>2011</b> , 32, 1568-763.5	3.5	40
168	Cysteamine-capped copper nanoclusters as a highly selective turn-on fluorescent assay for the detection of aluminum ions. <i>Talanta</i> , <b>2018</b> , 178, 796-804	6.2	39
167	Synthesis and Characterization of 2D-D- $\pi$ -A-Type Organic Dyes Bearing Bis(3,6-di-tert-butylcarbazol-9-ylphenyl)aniline as Donor Moiety for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 2608-2620	3.2	38
166	Synthesis and characterization of high Tg carbazole-based amorphous hole-transporting materials for organic light-emitting devices. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 4749-4752	2	38
165	Halogen substitutions leading to enhanced oxygen evolution and oxygen reduction reactions in metalloporphyrin frameworks. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 29540-29548	3.6	37

164	Bis(carbazol-9-ylphenyl)aniline end-capped oligoarylenes as solution-processed nondoped emitters for full-emission color tuning organic light-emitting diodes. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 6702-6713	4.3	37
163	Synthesis and properties of stable amorphous hole-transporting molecules for electroluminescent devices. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 8949-8952	2	36
162	A new synthetic approach to porphyrin-diones and a -2,3,12,13-tetraone: building blocks for laterally conjugated porphyrin arrays. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2001</b> , 14-20		36
161	Sonochemical Synthesis of Carbon Dots/Lanthanoid MOFs Hybrids for White Light-Emitting Diodes with High Color Rendering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44421-44429	9.5	35
160	Conjugated Polymer Nanoparticles by Suzuki-Miyaura Cross-Coupling Reactions in an Emulsion at Room Temperature. <i>Macromolecules</i> , <b>2014</b> , 47, 6531-6539	5.5	34
159	Synthesis and characterization of N-carbazole end-capped oligofluorenes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 89-93	2	34
158	An efficient solution processed non-doped red emitter based on carbazole-triphenylamine end-capped di(thiophen-2-yl)benzothiadiazole for pure red organic light-emitting diodes. <i>Chemical Communications</i> , <b>2013</b> , 49, 3401-3	5.8	33
157	Multi-triphenylamine-substituted carbazoles: synthesis, characterization, properties, and applications as hole-transporting materials. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3683-3687	2	33
156	Synthesis and characterization of novel N-carbazole end-capped oligothiophene-fluorenes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 1151-1154	2	33
155	Thermally and electrochemically stable amorphous hole-transporting materials based on carbazole dendrimers for electroluminescent devices. <i>Thin Solid Films</i> , <b>2008</b> , 516, 2881-2888	2.2	33
154	Improvement of DSSC organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the linker of the dye. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 1059-1072	7.8	31
153	Dipyrenylcarbazole derivatives for blue organic light-emitting diodes. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 2162-7	4.5	31
152	Synthesis and properties of hole-transporting fluorene linked bistrisphenylamine. <i>Optical Materials</i> , <b>2007</b> , 30, 364-369	3.3	31
151	A highly selective fluorescent enhancement sensor for Al <sup>3+</sup> based nitrogen-doped carbon dots catalyzed by Fe <sup>3+</sup> . <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 720-732	8.5	30
150	Synthesis and Characterization of Carbazole Dendrimers as Solution-Processed High Tg Amorphous Hole-Transporting Materials for Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 6619-6628	3.2	29
149	Synthesis and Characterization of 9-(Fluorenyl)anthracene Derivatives as Efficient Non-Doped Blue Emitters for Organic Light-Emitting Diodes. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 3825-3834	3.2	29
148	Effects of linker, anchoring group and capped carbazole at meso-substituted zinc-porphyrins on conversion efficiency of DSSCs. <i>Dyes and Pigments</i> , <b>2015</b> , 118, 64-75	4.6	28
147	A new formaldehyde sensor from silver nanoclusters modified Tollens' reagent. <i>Food Chemistry</i> , <b>2018</b> , 255, 41-48	8.5	28

146	The effect of conjugated spacer on novel carbazole derivatives for dye-sensitized solar cells: density functional theory/time-dependent density functional theory study. <i>Journal of Computational Chemistry</i> , <b>2012</b> , 33, 1517-23	3.5	28
145	Synthesis, Properties and Applications of Biphenyl Functionalized 9,9-Bis(4-diphenylaminophenyl)fluorenes as Bifunctional Materials for Organic Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 5263-5274	3.2	26
144	Triple bond-modified anthracene sensitizers for dye-sensitized solar cells: a computational study. <i>RSC Advances</i> , <b>2015</b> , 5, 38130-38140	3.7	25
143	Effective GQD/AuNPs nanosensors for selectively bifunctional detection of lysine and cysteine under different photophysical properties. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 936-944	8.5	25
142	Synthesis, optical, electrochemical, and thermal properties of $\beta$ -bis(9,9-bis-n-hexylfluorenyl)-substituted oligothiophenes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 3661-3665	2	24
141	Understanding the role of Ru dopant on selective catalytic reduction of NO with NH <sub>3</sub> over Ru-doped CeO <sub>2</sub> catalyst. <i>Chemical Engineering Journal</i> , <b>2019</b> , 369, 124-133	14.7	23
140	A DFT study of arsine adsorption on palladium doped graphene: Effects of palladium cluster size. <i>Applied Surface Science</i> , <b>2016</b> , 367, 552-558	6.7	23
139	Synthesis and characterization of carbazole dendronized coumarin derivatives as solution-processed non-doped emitters and hole-transporters for electroluminescent devices. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3282	3.6	23
138	Theoretical investigation of the charge-transfer properties in different meso-linked zinc porphyrins for highly efficient dye-sensitized solar cells. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9166-76	4.3	23
137	Metal-free selective synthesis of 2-substituted benzimidazoles catalyzed by Brønsted acidic ionic liquid: Convenient access to one-pot synthesis of N-alkylated 1,2-disubstituted benzimidazoles. <i>Tetrahedron</i> , <b>2019</b> , 75, 3543-3552	2.4	21
136	Synthesis, Characterisation, and Electroluminescence Properties of N-Coumarin Derivatives Containing Peripheral Triphenylamine. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 496-505	3.2	21
135	Highly selective circular dichroism sensor based on d-penicillamine/cysteamine-cadmium sulfide quantum dots for copper (II) ion detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 211, 313-321	4.4	21
134	Colorimetric and fluorescent sensing of a new FRET system via [5]helicene and rhodamine 6G for Hg <sup>2+</sup> detection. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 1396-1402	3.6	20
133	Influence of hydrogen spillover on Pt-decorated carbon nanocones for enhancing hydrogen storage capacity: A DFT mechanistic study. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 21194-21203	3.6	20
132	Carbazole dendrimers containing oligoarylfluorene cores as solution-processed hole-transporting non-doped emitters for efficient pure red, green, blue and white organic light-emitting diodes. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3982	4.9	20
131	Multibromo-N-alkylcarbazoles: synthesis, characterization, and their benzo[b]thiophene derivatives. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 4568-4572	2	20
130	Multi-triphenylamine-functionalized dithienylbenzothiadiazoles as hole-transporting non-doped red emitters for efficient simple solution processed pure red organic light-emitting diodes. <i>Organic Electronics</i> , <b>2015</b> , 21, 117-125	3.5	19
129	N-coumarin derivatives as hole-transporting emitters for high efficiency solution-processed pure green electroluminescent devices. <i>Dyes and Pigments</i> , <b>2015</b> , 112, 227-235	4.6	19

128	Coumarin-based donor-acceptor organic dyes for a dye-sensitized solar cell: photophysical properties and electron injection mechanism. <i>Theoretical Chemistry Accounts</i> , <b>2016</b> , 135, 1	1.9	19
127	Novel Hybrid Energy Conversion and Storage Cell with Photovoltaic and Supercapacitor Effects in Ionic Liquid Electrolyte. <i>Scientific Reports</i> , <b>2018</b> , 8, 12192	4.9	19
126	Theoretical study of fluorenyl oligothiophenes as color tunable emissive materials for highly efficient electroluminescent device. <i>Organic Electronics</i> , <b>2012</b> , 13, 1836-1843	3.5	19
125	A Simple and Strong Electron-Deficient 5,6-Dicyano[2,1,3]benzothiadiazole-Cored Donor-Acceptor-Donor Compound for Efficient Near Infrared Thermally Activated Delayed Fluorescence. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 3029-3036	4.5	19
124	Efficient bifunctional materials based on pyrene- and triphenylamine-functionalized dendrimers for electroluminescent devices. <i>RSC Advances</i> , <b>2015</b> , 5, 73481-73489	3.7	18
123	Capability of defective graphene-supported Pd13 and Ag13 particles for mercury adsorption. <i>Applied Surface Science</i> , <b>2016</b> , 364, 166-175	6.7	18
122	Theoretical studies on electronic structures and photophysical properties of anthracene derivatives as hole-transporting materials for OLEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 125, 36-45	4.4	18
121	Bifunctional oligofluorene-cored carbazole dendrimers as solution-processed blue emitters and hole transporters for electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 5540	7.1	18
120	Modulation of spacer of carbazole-carbazole based organic dyes toward high efficient dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 174, 7-16	4.4	18
119	Synthesis and characterization of pyrrolic functionalized porphyrins as sensitizers for dye-sensitized solar cells. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 2435-2439	2	18
118	Synthesis, optical, electrochemical, and thermal properties of conjugated fluorenyl oligothiophenes. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 919-923	2	18
117	Multi-triphenylamine-substituted bis(thiophenyl)benzothiadiazoles as highly efficient solution-processed non-doped red light-emitters for OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3081-3086	7.1	17
116	Significant enhancement in the performance of porphyrin for dye-sensitized solar cells: aggregation control using chenodeoxycholic acid. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 7081-7091	3.6	16
115	Zinc-porphyrin dyes with different meso-aryl substituents for dye-sensitized solar cells: experimental and theoretical studies. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 882-93	4.5	16
114	Synthesis of glycerol carbonate from transesterification of glycerol with dimethyl carbonate catalyzed by CaO from natural sources as green and economical catalyst. <i>Materials Today: Proceedings</i> , <b>2018</b> , 5, 13909-13915	1.4	16
113	Polydopamine-coated carbon nanodots are a highly selective turn-on fluorescent probe for dopamine. <i>Carbon</i> , <b>2019</b> , 146, 728-735	10.4	15
112	Density functional theory study of elemental mercury adsorption on boron doped graphene surface decorated by transition metals. <i>Applied Surface Science</i> , <b>2016</b> , 362, 140-145	6.7	15
111	Coumarin-cored carbazole dendrimers as solution-processed non-doped green emitters for electroluminescent devices. <i>Tetrahedron</i> , <b>2014</b> , 70, 6249-6257	2.4	15

110	Synthesis and characterization of 9,10-substituted anthracene derivatives as blue light-emitting and hole-transporting materials for electroluminescent devices. <i>Tetrahedron</i> , <b>2012</b> , 68, 1853-1861	2.4	15
109	Tin(II) thiocyanate Sn(NCS) <sub>2</sub> as wide band gap coordination polymer semiconductor with a 2D structure. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3452-3462	7.1	15
108	Oligoarylenes end-capped with carbazol-N-yl-carbazole as color tunable light-emitting and hole-transporting materials for solution-processed OLEDs. <i>RSC Advances</i> , <b>2015</b> , 5, 16422-16432	3.7	14
107	Implementation of 5E inquiry incorporated with analogy learning approach to enhance conceptual understanding of chemical reaction rate for grade 11 students. <i>Chemistry Education Research and Practice</i> , <b>2015</b> , 16, 121-132	2.1	14
106	Elucidating the Coordination of Diethyl Sulfide Molecules in Copper(I) Thiocyanate (CuSCN) Thin Films and Improving Hole Transport by Antisolvent Treatment. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002355	15.6	14
105	A highly efficient near infrared organic solid fluorophore based on naphthothiadiazole derivatives with aggregation-induced emission enhancement for a non-doped electroluminescent device. <i>Chemical Communications</i> , <b>2020</b> , 56, 6305-6308	5.8	14
104	Modification of D-A- $\pi$ A configuration toward a high-performance triphenylamine-based sensitizer for dye-sensitized solar cells: a theoretical investigation. <i>ChemPhysChem</i> , <b>2014</b> , 15, 3809-18	3.2	14
103	Synthesis, structural, optical and magnetic properties of Cu-doped ZnO nanorods prepared by a simple direct thermal decomposition route. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 927-935	2.6	14
102	An organic dye using N-dodecyl-3-(3,6-di-tert-butylcarbazol-N-yl)carbazol-6-yl as a donor moiety for efficient dye-sensitized solar cells. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 4903-4907	2	14
101	Synthesis and properties of oligofluorene-thiophenes as emissive materials for organic electroluminescent devices: color-tuning from deep blue to orange. <i>Tetrahedron</i> , <b>2012</b> , 68, 8416-8423	2.4	14
100	High Solid-State Near Infrared Emissive Organic Fluorophores from Thiadiazole[3,4-c]Pyridine Derivatives for Efficient Simple Solution-Processed Nondoped Near Infrared OLEDs. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002481	15.6	14
99	The design, synthesis, and characterization of D- $\pi$ A- $\pi$ A type organic dyes as sensitizers for dye-sensitized solar cells (DSSCs). <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 3244-3248	2	13
98	Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 2807-2814	3.6	13
97	Non-isothermal crystallization kinetics and thermal stability of the in situ reinforcing composite films based on thermotropic liquid crystalline polymer and polypropylene. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 103, 1017-1026	4.1	13
96	DFT Study of Catalytic CO <sub>2</sub> Hydrogenation over Pt-Decorated Carbon Nanocones: H <sub>2</sub> Dissociation Combined with the Spillover Mechanism. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 1941-1949	3.8	13
95	Turn-on fluorescent probe towards glyphosate and Cr <sup>3+</sup> based on Cd(II)-metal organic framework with Lewis basic sites. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 977-988	6.8	13
94	Heteroatom substitution effect on electronic structures, photophysical properties, and excited-state intramolecular proton transfer processes of 3-hydroxyflavone and its analogues: A TD-DFT study. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1195, 280-292	3.4	12
93	Metal cluster-deposited graphene as an adsorptive material for m-xylene. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 9650-9658	3.6	12

92	Anchoring number-performance relationship of zinc-porphyrin sensitizers for dye-sensitized solar cells: A combined experimental and theoretical study. <i>Dyes and Pigments</i> , <b>2017</b> , 136, 697-706	4.6	12
91	Theoretical study of linker-type effect in carbazole-carbazole-based dyes on performances of dye-sensitized solar cells. <i>Theoretical Chemistry Accounts</i> , <b>2014</b> , 133, 1	1.9	11
90	A Near-Infrared Fluorescence Chemosensor Based on Isothiocyanate-Aza-BODIPY for Cyanide Detection at the Parts per Billion Level: Applications in Buffer Media and Living Cell Imaging. <i>ChemPlusChem</i> , <b>2019</b> , 84, 252-259	2.8	11
89	Water-soluble Cu <sup>2+</sup> -fluorescent sensor based on core-substituted naphthalene diimide and its application in drinking water analysis and live cell imaging. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111852	4.7	10
88	High efficiency and low efficiency roll-off hole-transporting layer-free solution-processed fluorescent NIR-OLEDs based on oligothiophene-benzothiadiazole derivatives. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5045-5050	7.1	10
87	Solution processed blue-emitting and hole-transporting materials from truxene-carbazole-pyrene triads. <i>Organic Electronics</i> , <b>2018</b> , 57, 352-358	3.5	10
86	Synthesis, characterization, and hole-transporting properties of pyrenyl N-substituted triazatruxenes. <i>RSC Advances</i> , <b>2016</b> , 6, 56392-56398	3.7	10
85	A Dimeric $\pi$ -Stacking of Anthracene Inducing Efficiency Enhancement in Solid-State Fluorescence and Non-Doped Deep-Blue Triplet-Triplet Annihilation Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100500	8.1	10
84	New DDA type organic dyes having carbazol-N-yl phenothiazine moiety as a donor (DD) unit for efficient dye-sensitized solar cells: experimental and theoretical studies. <i>RSC Advances</i> , <b>2016</b> , 6, 38481-38493	3.7	10
83	The number density effect of N-substituted dyes on the TiO <sub>2</sub> surface in dye sensitized solar cells: a theoretical study. <i>RSC Advances</i> , <b>2015</b> , 5, 11549-11557	3.7	9
82	Synthesis and characterization of hole-transporting star-shaped carbazolyl truxene derivatives. <i>RSC Advances</i> , <b>2015</b> , 5, 72841-72848	3.7	9
81	[5]Helicene-rhodamine 6 G hybrid-based sensor for ultrasensitive Hg <sup>2+</sup> detection and its biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 394, 112473	4.7	9
80	Theoretical design of coumarin derivatives incorporating auxiliary acceptor with D- $\pi$ - $\pi$ configuration for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 322-323, 16-26	4.7	9
79	Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. <i>Organic Electronics</i> , <b>2020</b> , 85, 105897	3.5	9
78	Gram scale production of 1-azido-D-glucose enzyme catalysis for the synthesis of 1,2,3-triazole-glucosides.. <i>RSC Advances</i> , <b>2019</b> , 9, 6211-6220	3.7	8
77	Highly fluorescent solid-state benzothiadiazole derivatives as saturated red emitters for efficient solution-processed non-doped electroluminescent devices. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 10464-10473	7.1	8
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71	New sensitive strategy for formaldehyde sensing by in situ generation of luminescent silver nanoclusters. <i>Colloid and Polymer Science</i> , <b>2018</b> , 296, 1995-2004	2.4	8
70	Cyanophenyl spiro[acridine-9,9'-fluorene]s as simple structured hybridized local and charge-transfer-based ultra-deep blue emitters for highly efficient non-doped electroluminescent devices (CIEy 0.05). <i>Journal of Materials Chemistry C</i> ,	7.1	8
69	Toward rational design of metal-free organic dyes based on indolo[3,2-b]indole structure for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2018</b> , 151, 149-156	4.6	7
68	Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIEy 0.05. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108874	4.6	7
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35	Theoretical rationalization for reduced charge recombination in bulky carbazole-based sensitizers in solar cells. <i>Journal of Computational Chemistry</i> , <b>2017</b> , 38, 901-909	3.5	2
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