

# Vinich Promarak

## List of Publications by Year in descending order

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208  
papers

6,160  
citations

76326

40  
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106344

65  
g-index

211  
all docs

211  
docs citations

211  
times ranked

7359  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2009, 115, 423-428.	4.0	343
2	Egg White Synthesis and Photoluminescence of Platelike Clusters of CeO <sub>2</sub> Nanoparticles. <i>Crystal Growth and Design</i> , 2007, 7, 950-955.	3.0	266
3	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> , 2006, 289, 102-106.	1.5	209
4	D&A-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> , 2012, 116, 25653-25663.	3.1	153
5	Biodiesel production from palm oil using hydrated lime-derived CaO as a low-cost basic heterogeneous catalyst. <i>Energy Conversion and Management</i> , 2016, 108, 459-467.	9.2	140
6	Rice husk-derived sodium silicate as a highly efficient and low-cost basic heterogeneous catalyst for biodiesel production. <i>Energy Conversion and Management</i> , 2016, 119, 453-462.	9.2	121
7	Rubber seed oil as potential non-edible feedstock for biodiesel production using heterogeneous catalyst in Thailand. <i>Renewable Energy</i> , 2017, 101, 937-944.	8.9	114
8	Light-driven molecular switch for reconfigurable spin filters. <i>Nature Communications</i> , 2019, 10, 2455.	12.8	109
9	Tri-Diketopyrrolopyrrole Molecular Donor Materials for High-Performance Solution-Processed Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 5898-5903.	21.0	101
10	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> , 2013, 14, 711-722.	2.6	97
11	Carbazole dendronised triphenylamines as solution processed high T <sub>g</sub> amorphous hole-transporting materials for organic electroluminescent devices. <i>Chemical Communications</i> , 2012, 48, 3382.	4.1	94
12	Economical and green biodiesel production process using river snail shells-derived heterogeneous catalyst and co-solvent method. <i>Bioresource Technology</i> , 2016, 209, 343-350.	9.6	93
13	Biodiesel production based on heterogeneous process catalyzed by solid waste coral fragment. <i>Fuel</i> , 2012, 98, 194-202.	6.4	85
14	Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules. <i>Advanced Materials</i> , 2013, 25, 3645-3650.	21.0	82
15	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> , 2012, 22, 6869.	6.7	74
16	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> , 2013, 5, 8694-8703.	8.0	72
17	Synthesis and optical properties of nanocrystalline V-doped ZnO powders. <i>Optical Materials</i> , 2007, 29, 1700-1705.	3.6	71
18	Pyrene-functionalized carbazole derivatives as non-doped blue emitters for highly efficient blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4916.	5.5	71

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19	Catalytic performance enhancement of CaO by hydration-dehydration process for biodiesel production at room temperature. <i>Energy Conversion and Management</i> , 2018, 165, 1-7.	9.2	69
20	Synthesis of electrochemically and thermally stable amorphous hole-transporting carbazole dendronized fluorene. <i>Synthetic Metals</i> , 2007, 157, 17-22.	3.9	66
21	Electronic Properties of Copper(I) Thiocyanate (CuSCN). <i>Advanced Electronic Materials</i> , 2017, 3, 1600378.	5.1	64
22	Sonochemical Synthesis of Carbon Dots/Lanthanoid MOFs Hybrids for White Light-Emitting Diodes with High Color Rendering. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44421-44429.	8.0	64
23	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> , 2014, 6, 8212-8222.	8.0	60
24	Halogen substitutions leading to enhanced oxygen evolution and oxygen reduction reactions in metalloporphyrin frameworks. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29540-29548.	2.8	59
25	Tuning the electron donating ability in the triphenylamine-based D-A architecture for highly efficient dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 273, 8-16.	3.9	57
26	Synthesis and properties of N-carbazole end-capped conjugated molecules. <i>Tetrahedron</i> , 2007, 63, 1602-1609.	1.9	56
27	Synthesis and optical properties of nanocrystalline ZnO powders prepared by a direct thermal decomposition route. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 755-761.	2.3	55
28	Bifunctional anthracene derivatives as non-doped blue emitters and hole-transporters for electroluminescent devices. <i>Chemical Communications</i> , 2011, 47, 7122.	4.1	55
29	Synthesis and Characterization of Donor-Acceptor Type Organic Dyes Bearing Carbazole as a Donor Moiety (D-A) for Efficient Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5051-5063.	2.4	55
30	Cysteamine-capped copper nanoclusters as a highly selective turn-on fluorescent assay for the detection of aluminum ions. <i>Talanta</i> , 2018, 178, 796-804.	5.5	54
31	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> , 2020, 15, 3029-3036.	3.3	52
32	Complete reaction mechanisms of mercury oxidation on halogenated activated carbon. <i>Journal of Hazardous Materials</i> , 2016, 310, 253-260.	12.4	47
33	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> , 2018, 262, 720-732.	7.8	47
34	Synthesis and characterization of N-carbazole end-capped oligofluorene-thiophenes. <i>Tetrahedron</i> , 2007, 63, 8881-8890.	1.9	46
35	A new formaldehyde sensor from silver nanoclusters modified Tollens's reagent. <i>Food Chemistry</i> , 2018, 255, 41-48.	8.2	45
36	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> , 2013, 49, 6388.	4.1	44

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37	Theoretical investigation of novel carbazole-fluorene based D-π-A conjugated organic dyes as dye-sensitizer in dye-sensitized solar cells (DSCs). <i>Journal of Computational Chemistry</i> , 2011, 32, 1568-1576.	3.3	42
38	Synthesis and characterization of high T <sub>g</sub> carbazole-based amorphous hole-transporting materials for organic light-emitting devices. <i>Tetrahedron Letters</i> , 2011, 52, 4749-4752.	1.4	41
39	A new synthetic approach to porphyrin- $\pi$ -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> , 2001, , 14-20.	1.3	40
40	Synthesis and Characterization of 2D-D-π-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> , 2013, 2013, 2608-2620.	2.4	40
41	Improvement of D-π-A organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the $\pi$ -linker of the dye. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1059-1072.	5.9	40
42	Synthesis and properties of stable amorphous hole-transporting molecules for electroluminescent devices. <i>Tetrahedron Letters</i> , 2006, 47, 8949-8952.	1.4	39
43	Conjugated Polymer Nanoparticles by Suzuki-Miyaura Cross-Coupling Reactions in an Emulsion at Room Temperature. <i>Macromolecules</i> , 2014, 47, 6531-6539.	4.8	39
44	Effective QD/AuNPs nanosensors for selectively bifunctional detection of lysine and cysteine under different photophysical properties. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 936-944.	7.8	39
45	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> , 2013, 78, 6702-6713.	3.2	38
46	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> , 2021, 9, 2100500.	7.3	38
47	Imidazole-based solid-state fluorophores with combined ESIPT and AIE features as self-absorption-free non-doped emitters for electroluminescent devices. <i>Dyes and Pigments</i> , 2021, 193, 109488.	3.7	38
48	Thermally and electrochemically stable amorphous hole-transporting materials based on carbazole dendrimers for electroluminescent devices. <i>Thin Solid Films</i> , 2008, 516, 2881-2888.	1.8	37
49	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> , 2013, 49, 3401.	4.1	36
50	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> , 2019, 75, 3543-3552.	1.9	36
51	Synthesis and characterization of N-carbazole end-capped oligofluorenes. <i>Tetrahedron Letters</i> , 2007, 48, 89-93.	1.4	35
52	Synthesis and characterization of novel N-carbazole end-capped oligothiophene-fluorenes. <i>Tetrahedron Letters</i> , 2007, 48, 1151-1154.	1.4	35
53	Multi-triphenylamine-substituted carbazoles: synthesis, characterization, properties, and applications as hole-transporting materials. <i>Tetrahedron Letters</i> , 2013, 54, 3683-3687.	1.4	35
54	Effects of $\pi$ -linker, anchoring group and capped carbazole at meso-substituted zinc-porphyrins on conversion efficiency of DSSCs. <i>Dyes and Pigments</i> , 2015, 118, 64-75.	3.7	35

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55	Influence of hydrogen spillover on Pt-decorated carbon nanocones for enhancing hydrogen storage capacity: A DFT mechanistic study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21194-21203.	2.8	35
56	Dipyrenylcarbazole Derivatives for Blue Organic Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2162-2167.	3.3	34
57	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> , 2012, 2012, 5263-5274.	2.4	34
58	Synthesis and Characterization of Carbazole Dendrimers as Solution-Processed High Conductivity Amorphous Hole-Transporting Materials for Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6619-6628.	2.4	34
59	Triple bond-modified anthracene sensitizers for dye-sensitized solar cells: a computational study. <i>RSC Advances</i> , 2015, 5, 38130-38140.	3.6	33
60	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> , 2019, 369, 124-133.	12.7	33
61	Synthesis and properties of hole-transporting fluorene linked bistrisphenylamine. <i>Optical Materials</i> , 2007, 30, 364-369.	3.6	32
62	Synthesis and Characterization of 9-(Fluorene-2-yl)anthracene Derivatives as Efficient Non-Doped Blue Emitters for Organic Light-Emitting Diodes. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3825-3834.	2.4	32
63	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> , 2018, 42, 1396-1402.	2.8	31
64	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> , 2020, 30, 2002481.	14.9	31
65	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> , 2014, 38, 3282.	2.8	30
66	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> , 2019, 211, 313-321.	3.9	30
67	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> , 2012, 33, 1517-1523.	3.3	28
68	Novel Hybrid Energy Conversion and Storage Cell with Photovoltaic and Supercapacitor Effects in Ionic Liquid Electrolyte. <i>Scientific Reports</i> , 2018, 8, 12192.	3.3	28
69	A solution-processable hybridized local and charge-transfer (HLCT) phenanthroimidazole as a deep-blue emitter for efficient solution-processed non-doped electroluminescence device. <i>Dyes and Pigments</i> , 2021, 195, 109712.	3.7	28
70	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> , 2014, 125, 36-45.	3.9	27
71	A DFT study of arsine adsorption on palladium doped graphene: Effects of palladium cluster size. <i>Applied Surface Science</i> , 2016, 367, 552-558.	6.1	27
72	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> , 2021, 8, 977-988.	6.0	27

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73	Theoretical investigation of the charge-transfer properties in different meso-linked zinc porphyrins for highly efficient dye-sensitized solar cells. Dalton Transactions, 2014, 43, 9166-9176.	3.3	26
74	Synthesis, Characterisation, and Electroluminescence Properties of <i>N</i> -Coumarin Derivatives Containing Peripheral Triphenylamine. European Journal of Organic Chemistry, 2015, 2015, 496-505.	2.4	26
75	Modulation of $\pi$ -spacer of carbazole-carbazole based organic dyes toward high efficient dye-sensitized solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 174, 7-16.	3.9	26
76	Synthesis of glycerol carbonate from transesterification of glycerol with dimethyl carbonate catalyzed by CaO from natural sources as green and economical catalyst. Materials Today: Proceedings, 2018, 5, 13909-13915.	1.8	26
77	DFT Study of Catalytic CO <sub>2</sub> Hydrogenation over Pt-Decorated Carbon Nanocones: H <sub>2</sub> Dissociation Combined with the Spillover Mechanism. Journal of Physical Chemistry C, 2020, 124, 1941-1949.	3.1	26
78	Efficient bifunctional materials based on pyrene- and triphenylamine-functionalized dendrimers for electroluminescent devices. RSC Advances, 2015, 5, 73481-73489.	3.6	25
79	Polydopamine-coated carbon nanodots are a highly selective turn-on fluorescent probe for dopamine. Carbon, 2019, 146, 728-735.	10.3	25
80	Synthesis, optical, electrochemical, and thermal properties of 1,1'-bis(9,9-bis- <i>n</i> -hexylfluorenyl)-substituted oligothiophenes. Tetrahedron Letters, 2007, 48, 3661-3665.	1.4	24
81	Implementation of 5E inquiry incorporated with analogy learning approach to enhance conceptual understanding of chemical reaction rate for grade 11 students. Chemistry Education Research and Practice, 2015, 16, 121-132.	2.5	24
82	Tin(II) thiocyanate Sn(NCS) <sub>2</sub> – a wide band gap coordination polymer semiconductor with a 2D structure. Journal of Materials Chemistry C, 2019, 7, 3452-3462.	5.5	24
83	Intramolecular hydrogen bond – enhanced electroluminescence performance of hybridized local and charge transfer (HLCT) excited-state blue-emissive materials. Journal of Materials Chemistry C, 2021, 9, 497-507.	5.5	24
84	Multi-triphenylamine-substituted bis(thiophenyl)benzothiadiazoles as highly efficient solution-processed non-doped red light-emitters for OLEDs. Journal of Materials Chemistry C, 2015, 3, 3081-3086.	5.5	23
85	<i>N</i> -coumarin derivatives as hole-transporting emitters for high efficiency solution-processed pure green electroluminescent devices. Dyes and Pigments, 2015, 112, 227-235.	3.7	23
86	Coumarin-based donor-acceptor organic dyes for a dye-sensitized solar cell: photophysical properties and electron injection mechanism. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	23
87	Theoretical study of 1-fluorenyl oligothiophenes as color tunable emissive materials for highly efficient electroluminescent device. Organic Electronics, 2012, 13, 1836-1843.	2.6	22
88	Multi-triphenylamine-functionalized dithienylbenzothiadiazoles as hole-transporting non-doped red emitters for efficient simple solution processed pure red organic light-emitting diodes. Organic Electronics, 2015, 21, 117-125.	2.6	22
89	Elucidating the Coordination of Diethyl Sulfide Molecules in Copper(I) Thiocyanate (CuSCN) Thin Films and Improving Hole Transport by Antisolvent Treatment. Advanced Functional Materials, 2020, 30, 2002355.	14.9	22
90	A highly efficient near infrared organic solid fluorophore based on naphthothiadiazole derivatives with aggregation-induced emission enhancement for a non-doped electroluminescent device. Chemical Communications, 2020, 56, 6305-6308.	4.1	22

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91	Multibromo-N-alkylcarbazoles: synthesis, characterization, and their benzo[b]thiophene derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 4568-4572.	1.4	21
92	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> , 2014, 5, 3982.	3.9	21
93	Capability of defective graphene-supported Pd13 and Ag13 particles for mercury adsorption. <i>Applied Surface Science</i> , 2016, 364, 166-175.	6.1	21
94	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 (CIE $y < 0.05$ ). <i>Journal of Materials Chemistry C</i> , 0, .	5.5	21
95	Coumarin-cored carbazole dendrimers as solution-processed non-doped green emitters for electroluminescent devices. <i>Tetrahedron</i> , 2014, 70, 6249-6257.	1.9	20
96	Bifunctional oligofluorene-cored carbazole dendrimers as solution-processed blue emitters and hole transporters for electroluminescent devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5540.	5.5	20
97	Zinc-Porphyrin Dyes with Different <i>meso</i> -Aryl Substituents for Dye-Sensitized Solar Cells: Experimental and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2015, 10, 882-893.	3.3	20
98	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> , 2019, 84, 252-259.	2.8	20
99	Synthesis and characterization of $\beta$ -pyrrolic functionalized porphyrins as sensitizers for dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2013, 54, 2435-2439.	1.4	19
100	Metal cluster-deposited graphene as an adsorptive material for m-xylene. <i>New Journal of Chemistry</i> , 2015, 39, 9650-9658.	2.8	19
101	Anchoring number-performance relationship of zinc-porphyrin sensitizers for dye-sensitized solar cells: A combined experimental and theoretical study. <i>Dyes and Pigments</i> , 2017, 136, 697-706.	3.7	19
102	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> , 2019, 1195, 280-292.	3.6	19
103	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> , 2020, 8, 5045-5050.	5.5	19
104	Synthesis, optical, electrochemical, and thermal properties of conjugated $\beta$ -fluorenyl oligothiophenes. <i>Tetrahedron Letters</i> , 2007, 48, 919-923.	1.4	18
105	Density functional theory study of elemental mercury adsorption on boron doped graphene surface decorated by transition metals. <i>Applied Surface Science</i> , 2016, 362, 140-145.	6.1	18
106	Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIE $y < 0.05$ . <i>Dyes and Pigments</i> , 2021, 184, 108874.	3.7	18
107	Use of nitrogen-doped amorphous carbon nanodots (N-CNDs) as a fluorometric paper-based sensor: a new approach for sensitive determination of lead ( $Pb^{2+}$ ) at a trace level in highly ionic matrices. <i>Analytical Methods</i> , 2021, 13, 3551-3560.	2.7	18
108	Old silver mirror in qualitative analysis with new shoots in quantification: Nitrogen-doped carbon dots (N-CDs) as fluorescent probes for off-on sensing of formalin in food samples. <i>Talanta</i> , 2022, 236, 122862.	5.5	18

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109	Understanding Interfacial Recombination Processes in Narrow-Band-Gap Organic Solar Cells. ACS Energy Letters, 2022, 7, 1626-1634.	17.4	18
110	Synthesis, structural, optical and magnetic properties of Cu-doped ZnO nanorods prepared by a simple direct thermal decomposition route. Applied Physics A: Materials Science and Processing, 2014, 117, 927-935.	2.3	17
111	Significant enhancement in the performance of porphyrin for dye-sensitized solar cells: aggregation control using chenodeoxycholic acid. New Journal of Chemistry, 2017, 41, 7081-7091.	2.8	17
112	Synthesis and characterization of 9,10-substituted anthracene derivatives as blue light-emitting and hole-transporting materials for electroluminescent devices. Tetrahedron, 2012, 68, 1853-1861.	1.9	16
113	Modification of D <sup>π</sup> A <sup>π</sup> A Configuration toward a High-Performance Triphenylamine-Based Sensitizer for Dye-Sensitized Solar Cells: A Theoretical Investigation. ChemPhysChem, 2014, 15, 3809-3818.	2.1	16
114	Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. New Journal of Chemistry, 2015, 39, 2807-2814.	2.8	16
115	New D <sup>π</sup> D <sup>π</sup> A type organic dyes having carbazol-N-yl phenothiazine moiety as a donor (D) unit for efficient dye-sensitized solar cells: experimental and theoretical studies. RSC Advances, 2016, 6, 38481-38493.	3.6	16
116	A method to detect Hg <sup>2+</sup> in vegetable via a $\alpha$ -Turn-ON-Hg <sup>2+</sup> Fluorescent sensor with a nanomolar sensitivity. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112224.	3.9	16
117	Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. Organic Electronics, 2020, 85, 105897.	2.6	16
118	Twisted Phenanthro[9,10-d]imidazole Derivatives as Non-doped Emitters for Efficient Electroluminescent Devices with Ultra-Deep Blue Emission and High Exciton Utilization Efficiency. Chemistry - an Asian Journal, 2021, 16, 2328-2337.	3.3	16
119	Non-isothermal crystallization kinetics and thermal stability of the in situ reinforcing composite films based on thermotropic liquid crystalline polymer and polypropylene. Journal of Thermal Analysis and Calorimetry, 2011, 103, 1017-1026.	3.6	15
120	Synthesis and properties of oligofluorene-thiophenes as emissive materials for organic electroluminescent devices: color-tuning from deep blue to orange. Tetrahedron, 2012, 68, 8416-8423.	1.9	15
121	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. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111852.	3.9	15
122	Highly fluorescent solid-state benzothiadiazole derivatives as saturated red emitters for efficient solution-processed non-doped electroluminescent devices. Journal of Materials Chemistry C, 2020, 8, 10464-10473.	5.5	15
123	Dual-Mode Organic Electrochemical Transistors Based on Self-Doped Conjugated Polyelectrolytes for Reconfigurable Electronics. Advanced Materials, 2022, 34, e2200274.	21.0	15
124	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. Tetrahedron Letters, 2013, 54, 4903-4907.	1.4	14
125	The design, synthesis, and characterization of D-π-A type organic dyes as sensitizers for dye-sensitized solar cells (DSSCs). Tetrahedron Letters, 2014, 55, 3244-3248.	1.4	14
126	Theoretical study of linker-type effect in carbazole-carbazole-based dyes on performances of dye-sensitized solar cells. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	14



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127	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> , 2015, 5, 16422-16432.	3.6	14
128	Oxotitanium-porphyrin for selective catalytic reduction of NO by NH <sub>3</sub> : a theoretical mechanism study. <i>New Journal of Chemistry</i> , 2018, 42, 16806-16813.	2.8	14
129	Efficient white light-emitting polymers from dual thermally activated delayed fluorescence chromophores for non-doped solution processed white electroluminescent devices. <i>Polymer Chemistry</i> , 2021, 12, 1030-1039.	3.9	14
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