

Vinich Promarak

List of Publications by Year in descending order

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208
papers

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76196

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all docs

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docs citations

211
times ranked

7359
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, structural and optical properties of CeO ₂ nanoparticles synthesized by a simple polyvinyl pyrrolidone (PVP) solution route. <i>Materials Chemistry and Physics</i> , 2009, 115, 423-428.	2.0	343
2	Egg White Synthesis and Photoluminescence of Platelike Clusters of CeO ₂ Nanoparticles. <i>Crystal Growth and Design</i> , 2007, 7, 950-955.	1.4	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.	0.7	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.	1.5	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.	4.4	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.	4.4	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.	4.3	114
8	Light-driven molecular switch for reconfigurable spin filters. <i>Nature Communications</i> , 2019, 10, 2455.	5.8	109
9	Tri-Diketopyrrolopyrrole Molecular Donor Materials for High-Performance Solution-Processed Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 5898-5903.	11.1	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.	1.4	97
11	Carbazole dendronised triphenylamines as solution processed high T _g amorphous hole-transporting materials for organic electroluminescent devices. <i>Chemical Communications</i> , 2012, 48, 3382.	2.2	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.	4.8	93
13	Biodiesel production based on heterogeneous process catalyzed by solid waste coral fragment. <i>Fuel</i> , 2012, 98, 194-202.	3.4	85
14	Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules. <i>Advanced Materials</i> , 2013, 25, 3645-3650.	11.1	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 & Interfaces</i> , 2013, 5, 8694-8703.	4.0	72
17	Synthesis and optical properties of nanocrystalline V-doped ZnO powders. <i>Optical Materials</i> , 2007, 29, 1700-1705.	1.7	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.	2.7	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.	4.4	69
20	Synthesis of electrochemically and thermally stable amorphous hole-transporting carbazole dendronized fluorene. <i>Synthetic Metals</i> , 2007, 157, 17-22.	2.1	66
21	Electronic Properties of Copper(I) Thiocyanate (CuSCN). <i>Advanced Electronic Materials</i> , 2017, 3, 1600378.	2.6	64
22	Sonochemical Synthesis of Carbon Dots/Lanthanoid MOFs Hybrids for White Light-Emitting Diodes with High Color Rendering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44421-44429.	4.0	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 & Interfaces</i> , 2014, 6, 8212-8222.	4.0	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.	1.3	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.	2.0	57
26	Synthesis and properties of N-carbazole end-capped conjugated molecules. <i>Tetrahedron</i> , 2007, 63, 1602-1609.	1.0	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.	1.1	55
28	Bifunctional anthracene derivatives as non-doped blue emitters and hole-transporters for electroluminescent devices. <i>Chemical Communications</i> , 2011, 47, 7122.	2.2	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.	1.2	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.	2.9	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.	1.7	52
32	Complete reaction mechanisms of mercury oxidation on halogenated activated carbon. <i>Journal of Hazardous Materials</i> , 2016, 310, 253-260.	6.5	47
33	A highly selective fluorescent enhancement sensor for Al ³⁺ based nitrogen-doped carbon dots catalyzed by Fe ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 720-732.	4.0	47
34	Synthesis and characterization of N-carbazole end-capped oligofluorene-thiophenes. <i>Tetrahedron</i> , 2007, 63, 8881-8890.	1.0	46
35	A new formaldehyde sensor from silver nanoclusters modified Tollens's reagent. <i>Food Chemistry</i> , 2018, 255, 41-48.	4.2	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.	2.2	44

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37	Theoretical investigation of novel carbazole-fluorene based D π A π A conjugated organic dyes as dye-sensitizer in dye-sensitized solar cells (DSCs). <i>Journal of Computational Chemistry</i> , 2011, 32, 1568-1576.	1.5	42
38	Synthesis and characterization of high T _g carbazole-based amorphous hole-transporting materials for organic light-emitting devices. <i>Tetrahedron Letters</i> , 2011, 52, 4749-4752.	0.7	41
39	A new synthetic approach to porphyrin- π -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 π A-Type Organic Dyes Bearing Bis(3,6-di <i>tert</i> -butylcarbazol-9-ylphenyl)aniline as Donor Moiety for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2608-2620.	1.2	40
41	Improvement of D π A π A organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the π -linker of the dye. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1059-1072.	3.2	40
42	Synthesis and properties of stable amorphous hole-transporting molecules for electroluminescent devices. <i>Tetrahedron Letters</i> , 2006, 47, 8949-8952.	0.7	39
43	Conjugated Polymer Nanoparticles by Suzuki-Miyaura Cross-Coupling Reactions in an Emulsion at Room Temperature. <i>Macromolecules</i> , 2014, 47, 6531-6539.	2.2	39
44	Effective GQD/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.	4.0	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.	1.7	38
46	A Dimeric π -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.	3.6	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.	2.0	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.	0.8	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.	2.2	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.	1.0	36
51	Synthesis and characterization of N-carbazole end-capped oligofluorenes. <i>Tetrahedron Letters</i> , 2007, 48, 89-93.	0.7	35
52	Synthesis and characterization of novel N-carbazole end-capped oligothiophene-fluorenes. <i>Tetrahedron Letters</i> , 2007, 48, 1151-1154.	0.7	35
53	Multi-triphenylamine-substituted carbazoles: synthesis, characterization, properties, and applications as hole-transporting materials. <i>Tetrahedron Letters</i> , 2013, 54, 3683-3687.	0.7	35
54	Effects of π -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.	2.0	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.	1.3	35
56	Dipyrenylcarbazole Derivatives for Blue Organic Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2010, 5, 2162-2167.	1.7	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.	1.2	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.	1.2	34
59	Triple bond-modified anthracene sensitizers for dye-sensitized solar cells: a computational study. <i>RSC Advances</i> , 2015, 5, 38130-38140.	1.7	33
60	Understanding the role of Ru dopant on selective catalytic reduction of NO with NH ₃ over Ru-doped CeO ₂ catalyst. <i>Chemical Engineering Journal</i> , 2019, 369, 124-133.	6.6	33
61	Synthesis and properties of hole-transporting fluorene linked bistrisphenylamine. <i>Optical Materials</i> , 2007, 30, 364-369.	1.7	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.	1.2	32
63	Colorimetric and fluorescent sensing of a new FRET system via [5]helicene and rhodamine 6G for Hg ²⁺ detection. <i>New Journal of Chemistry</i> , 2018, 42, 1396-1402.	1.4	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.	7.8	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.	1.4	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.	2.0	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.	1.5	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.	1.6	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.	2.0	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.	2.0	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.	3.1	27
72	Turn-on fluorescent probe towards glyphosate and Cr ³⁺ based on Cd(II)-metal organic framework with Lewis basic sites. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 977-988.	3.0	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. <i>Dalton Transactions</i> , 2014, 43, 9166-9176.	1.6	26
74	Synthesis, Characterisation, and Electroluminescence Properties of <i>N</i> -Coumarin Derivatives Containing Peripheral Triphenylamine. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 496-505.	1.2	26
75	Modulation of π -spacer of carbazole-carbazole based organic dyes toward high efficient dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 174, 7-16.	2.0	26
76	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> , 2018, 5, 13909-13915.	0.9	26
77	DFT Study of Catalytic CO_2 Hydrogenation over Pt-Decorated Carbon Nanocones: H_2 Dissociation Combined with the Spillover Mechanism. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1941-1949.	1.5	26
78	Efficient bifunctional materials based on pyrene- and triphenylamine-functionalized dendrimers for electroluminescent devices. <i>RSC Advances</i> , 2015, 5, 73481-73489.	1.7	25
79	Polydopamine-coated carbon nanodots are a highly selective turn-on fluorescent probe for dopamine. <i>Carbon</i> , 2019, 146, 728-735.	5.4	25
80	Synthesis, optical, electrochemical, and thermal properties of β , β' -bis(9,9-bis- <i>n</i> -hexylfluorenyl)-substituted oligothiophenes. <i>Tetrahedron Letters</i> , 2007, 48, 3661-3665.	0.7	24
81	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> , 2015, 16, 121-132.	1.4	24
82	Tin(II) thiocyanate $\text{Sn}(\text{NCS})_2$ a wide band gap coordination polymer semiconductor with a 2D structure. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3452-3462.	2.7	24
83	Intramolecular hydrogen bond enhanced electroluminescence performance of hybridized local and charge transfer (HLCT) excited-state blue-emissive materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 497-507.	2.7	24
84	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> , 2015, 3, 3081-3086.	2.7	23
85	<i>N</i> -coumarin derivatives as hole-transporting emitters for high efficiency solution-processed pure green electroluminescent devices. <i>Dyes and Pigments</i> , 2015, 112, 227-235.	2.0	23
86	Coumarin-based donor-acceptor organic dyes for a dye-sensitized solar cell: photophysical properties and electron injection mechanism. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	0.5	23
87	Theoretical study of β -fluorenyl oligothiophenes as color tunable emissive materials for highly efficient electroluminescent device. <i>Organic Electronics</i> , 2012, 13, 1836-1843.	1.4	22
88	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> , 2015, 21, 117-125.	1.4	22
89	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> , 2020, 30, 2002355.	7.8	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. <i>Chemical Communications</i> , 2020, 56, 6305-6308.	2.2	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.	0.7	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.	1.9	21
93	Capability of defective graphene-supported Pd13 and Ag13 particles for mercury adsorption. <i>Applied Surface Science</i> , 2016, 364, 166-175.	3.1	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 $y < i > \hat{a} \% 0.05$). <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	21
95	Coumarin-cored carbazole dendrimers as solution-processed non-doped green emitters for electroluminescent devices. <i>Tetrahedron</i> , 2014, 70, 6249-6257.	1.0	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.	2.7	20
97	Zinc- μ -Porphyrin Dyes with Different $\langle i \rangle$ meso- $\langle i \rangle$ Aryl Substituents for Dye-Sensitized Solar Cells: Experimental and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2015, 10, 882-893.	1.7	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.	1.3	20
99	Synthesis and characterization of \hat{I}^2 -pyrrolic functionalized porphyrins as sensitizers for dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2013, 54, 2435-2439.	0.7	19
100	Metal cluster-deposited graphene as an adsorptive material for m-xylene. <i>New Journal of Chemistry</i> , 2015, 39, 9650-9658.	1.4	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.	2.0	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.	1.8	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.	2.7	19
104	Synthesis, optical, electrochemical, and thermal properties of conjugated \hat{I}^{\pm} -fluorenyl oligothiophenes. <i>Tetrahedron Letters</i> , 2007, 48, 919-923.	0.7	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.	3.1	18
106	Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIE $y \hat{a} \% 0.05$. <i>Dyes and Pigments</i> , 2021, 184, 108874.	2.0	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 ($\langle scp \rangle ii \langle /scp \rangle$) at a trace level in highly ionic matrices. <i>Analytical Methods</i> , 2021, 13, 3551-3560.	1.3	18
108	Old silver mirror in qualitative analysis with new shoots in quantification: Nitrogen-doped carbon dots (N-CDs) as fluorescent probes for $\hat{a} \text{coff-on} \hat{a}$ -sensing of formalin in food samples. <i>Talanta</i> , 2022, 236, 122862.	2.9	18

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109	Understanding Interfacial Recombination Processes in Narrow-Band-Gap Organic Solar Cells. ACS Energy Letters, 2022, 7, 1626-1634.	8.8	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.	1.1	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.	1.4	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.	1.0	16
113	Modification of D π A Configuration toward a High-Performance Triphenylamine-Based Sensitizer for Dye-Sensitized Solar Cells: A Theoretical Investigation. ChemPhysChem, 2014, 15, 3809-3818.	1.0	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.	1.4	16
115	New D π 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.	1.7	16
116	A method to detect Hg ²⁺ in vegetable via a α -Turn-ON-Hg ²⁺ Fluorescent sensor with a nanomolar sensitivity. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 389, 112224.	2.0	16
117	Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. Organic Electronics, 2020, 85, 105897.	1.4	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.	1.7	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.	2.0	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.	1.0	15
121	Water-soluble Cu ²⁺ -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.	2.0	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.	2.7	15
123	Dual-Mode Organic Electrochemical Transistors Based on Self-Doped Conjugated Polyelectrolytes for Reconfigurable Electronics. Advanced Materials, 2022, 34, e2200274.	11.1	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.	0.7	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.	0.7	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.	0.5	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.	1.7	14
128	Oxotitanium-porphyrin for selective catalytic reduction of NO by NH ₃ : a theoretical mechanism study. <i>New Journal of Chemistry</i> , 2018, 42, 16806-16813.	1.4	14
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