

Vinich Promarak

List of Publications by Year in descending order

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208
papers

6,160
citations

76326

40
h-index

106344

65
g-index

211
all docs

211
docs citations

211
times ranked

7359
citing authors

#	ARTICLE	IF	CITATIONS
1	The synthesis of a high-quality biodiesel product derived from Krabok (<i>Irvingia Malayana</i>) seed oil as a new raw material of Thailand. <i>Fuel</i> , 2022, 308, 122009.	6.4	10
2	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
3	Benzoporphyrin-Based Nanocomposites for Photoelectrochemical O ₂ Reduction. <i>Israel Journal of Chemistry</i> , 2022, 62, .	2.3	0
4	Charge Transport in Perylene Based Electron Transporting Layer for Perovskite Solar Cells. <i>Thin Solid Films</i> , 2022, 741, 139012.	1.8	0
5	Facile fabrication of flexible and conductive AuNP/DWCNT fabric with enhanced Joule heating efficiency via spray coating route. <i>Microelectronic Engineering</i> , 2022, 255, 111718.	2.4	11
6	Dual-Mode Organic Electrochemical Transistors Based on Self-Doped Conjugated Polyelectrolytes for Reconfigurable Electronics. <i>Advanced Materials</i> , 2022, 34, e2200274.	21.0	15
7	Chiral Resolution of <i>RS</i> -Baclofen via a Novel Chiral Cocrystal of <i>R</i> -Baclofen and <i>L</i> -Mandelic Acid. <i>Crystal Growth and Design</i> , 2022, 22, 2441-2451.	3.0	3
8	Understanding Interfacial Recombination Processes in Narrow-Band-Gap Organic Solar Cells. <i>ACS Energy Letters</i> , 2022, 7, 1626-1634.	17.4	18
9	Enhanced Joule heating performance of flexible transparent conductive double-walled carbon nanotube films on sparked Ag nanoparticles. <i>Thin Solid Films</i> , 2022, 750, 139201.	1.8	4
10	Solid-State Fluorophores with Combined Excited-State Intramolecular Proton Transfer-Aggregation-Induced Emission as Efficient Emitters for Electroluminescent Devices. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	8
11	A highly selective fluorescent sensor for manganese(II) ion detection based on N,S-doped carbon dots triggered by manganese oxide. <i>Dyes and Pigments</i> , 2022, 203, 110325.	3.7	3
12	An efficient solution-processable hybridized local and charge-transfer (HLCT)-based deep-red fluorescent emitter for simple structured non-doped OLED. <i>Journal of Luminescence</i> , 2022, 248, 118921.	3.1	12
13	Chrysene and triphenylene based-fluorophores as non-doped deep blue emitters for triplet-triplet annihilation organic light-emitting diodes. <i>Journal of Luminescence</i> , 2022, 248, 118926.	3.1	6
14	Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using hydroxyl-substituted tetraphenylimidazole-functionalized anthracene fluorescent emitters. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9968-9979.	5.5	8
15	Hydroxy-Tetraphenylimidazole Derivatives as Efficient Blue Emissive Materials for Electroluminescent Devices. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	3
16	Tunable far-red fluorescence utilizing "extension and substitution on the excited state intramolecular proton transfer (ESIPT) of naphthalene-based Schiff bases: A combined experimental and theoretical study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114047.	3.9	10
17	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.	5.5	24
18	Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIEy \geq 0.05. <i>Dyes and Pigments</i> , 2021, 184, 108874.	3.7	18

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19	Facile fabrication of flexible and conductive cellulose paper from aqueous carbon nanotube/hemicellulose compound. <i>Synthetic Metals</i> , 2021, 271, 116646.	3.9	8
20	Bis(carbazol-9-yl)phenyl end-capped polyaromatics as solution-processed deep blue fluorescent emitters for simple structure solution-processed electroluminescent devices. <i>Dyes and Pigments</i> , 2021, 186, 109065.	3.7	9
21	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.	6.0	27
22	Unique dual fluorescence emission in the solid state from a small molecule based on phenanthrocarbazole with an AIE luminogen as a single-molecule white-light emissive material. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2361-2372.	5.9	11
23	Use of nitrogen-doped amorphous carbon nanodots (N-CNDs) as a fluorometric paper-based sensor: a new approach for sensitive determination of lead(ⁱⁱ) at a trace level in highly ionic matrices. <i>Analytical Methods</i> , 2021, 13, 3551-3560.	2.7	18
24	Double anchor indolo[3,2- <i>b</i>]indole-derived metal-free dyes with extra electron donors as efficient sensitizers for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2021, 45, 7542-7554.	2.8	5
25	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
26	Antisolvent treatment of copper(i) thiocyanate (CuSCN) hole transport layer for efficiency improvements in organic solar cells and light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10435-10442.	5.5	13
27	Self-absorption-free excited-state intramolecular proton transfer (ESIPT) emitters for high brightness and luminous efficiency organic fluorescent electroluminescent devices. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6212-6225.	5.9	7
28	Red to orange thermally activated delayed fluorescence polymers based on 2-(4-(diphenylamino)-phenyl)-9- <i>H</i> -thioxanthen-9-one-10,10-dioxide for efficient solution-processed OLEDs. <i>RSC Advances</i> , 2021, 11, 24794-24806.	3.6	12
29	Enhancement of the electroluminescence properties of iridium-complexes by decorating the ligand with hole-transporting carbazole dendrons. <i>New Journal of Chemistry</i> , 2021, 45, 7694-7704.	2.8	4
30	An unconventional blade coating for low-cost fabrication of PCDTBT: PC70BM polymer and CH ₃ NH ₃ PbI _x Cl _{3-x} perovskite solar cells. <i>Surfaces and Interfaces</i> , 2021, 23, 100969.	3.0	11
31	Synthesis, Characterization, and Physical Properties of Pyrene-Naphthalimide Derivatives as Emissive Materials for Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2402-2410.	2.4	8
32	A Dimeric π - 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.	7.3	38
33	Twisted Phenanthro[9,10- <i>d</i>]imidazole Derivatives as Non-Doped Emitters for Efficient Electroluminescent Devices with Ultra-Deep Blue Emission and High Exciton Utilization Efficiency. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2328-2337.	3.3	16
34	Tin(II) thiocyanate Sn(SCN) ₂ as an ultrathin anode interlayer in organic photovoltaics. <i>Applied Physics Letters</i> , 2021, 119, 063301.	3.3	4
35	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
36	Gold nanoparticle-based cascade reaction-triggered fluorogenicity for highly selective nitrite ion detection in forensic samples. <i>Microchemical Journal</i> , 2021, 168, 106470.	4.5	8

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37	Enhancement of performance of OLEDs using double indolo[3,2-b]indole electron-donors based emitter. <i>Journal of Luminescence</i> , 2021, 238, 118287.	3.1	8
38	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
39	N-Phenylcarbazole substituted bis(hexylthiophen-2-yl)-benzothiadiazoles as deep red emitters for hole-transporting layer free solution-processed OLEDs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 420, 113509.	3.9	8
40	Encapsulation of aggregation-caused quenching dye in metal-organic framework as emissive layer of organic light-emitting diodes. <i>Microporous and Mesoporous Materials</i> , 2021, 328, 111452.	4.4	9
41	Efficient Solution-Processable Non-Doped Emissive Materials Based on Oligocarbazole End-Capped Molecules for Simple Structured Red, Green, Blue, and White Electroluminescent Devices. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1311-1322.	4.3	9
42	A simple strategy to enhance the sensitivity of fluorescent sensor-based CdS quantum dots by using a surfactant for Hg ²⁺ detection. <i>Analytical Methods</i> , 2021, 13, 4069-4078.	2.7	0
43	The improvement in hole-transporting and electroluminescent properties of diketopyrrolopyrrole pigment by grafting with carbazole dendrons. <i>RSC Advances</i> , 2021, 11, 12710-12719.	3.6	9
44	Rational Design of Chrysenes-Based Hybridized Local and Charge-Transfer Molecules as Efficient Non-Doped Deep-Blue Emitters for Simple Structured Electroluminescent Devices. <i>Chemistry - an Asian Journal</i> , 2021, , .	3.3	8
45	Impact of cationic molecular length of ionic liquid electrolytes on cell performance of 18650 supercapacitors. <i>Chemical Communications</i> , 2021, 57, 13712-13715.	4.1	3
46	Theoretical Study on Factors Influencing the Efficiency of Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2020, 49, 318-332.	2.2	11
47	A method to detect Hg ²⁺ in vegetable via a Turn-ON-Hg ²⁺ -Fluorescent sensor with a nanomolar sensitivity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112224.	3.9	16
48	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.	3.1	26
49	Complete catalytic cycle of NO decomposition on a silicon-doped nitrogen-coordinated graphene: Mechanistic insight from a DFT study. <i>Applied Surface Science</i> , 2020, 508, 145255.	6.1	12
50	Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. <i>Organic Electronics</i> , 2020, 85, 105897.	2.6	16
51	A Ladderlike Dopant-free Hole-Transporting Polymer for Hysteresis-less High-Efficiency Perovskite Solar Cells with High Ambient Stability. <i>ChemSusChem</i> , 2020, 13, 5058-5066.	6.8	12
52	Effect of thiophene/furan substitution on organic field effect transistor properties of arylthiadiazole based organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17297-17306.	5.5	13
53	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
54	Highly efficient all solution-processed non-doped deep-blue electroluminescent devices from oligocarbazole-end-capped spirobifluorenes. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2943-2953.	5.9	11

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55	Fourfold alkyl wrapping of a copper(II) porphyrin thwarts macrocycle π - π stacking in a compact supramolecular package. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 647-654.	0.5	2
56	Highly Soluble Indigo Derivatives as Practical Diesel Absorption Markers. <i>ACS Omega</i> , 2020, 5, 6039-6044.	3.5	4
57	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
58	[5]Helicene-rhodamine 6 G hybrid-based sensor for ultrasensitive Hg ²⁺ detection and its biological applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 394, 112473.	3.9	13
59	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.	14.9	22
60	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> , 2020, 8, 10464-10473.	5.5	15
61	High selective catalyst for ethylene epoxidation to ethylene oxide: A DFT investigation. <i>Applied Surface Science</i> , 2020, 513, 145799.	6.1	9
62	Dual Naked-Eye Optical Sensor Based on Imidazolium Cation and Naphthalamide for Specific Detection of Fluoride. <i>Journal of Fluorescence</i> , 2020, 30, 259-267.	2.5	3
63	Effect of Water Molecule on Photo-Assisted Nitrous Oxide Decomposition over Oxotitanium Porphyrin: A Theoretical Study. <i>Catalysts</i> , 2020, 10, 157.	3.5	1
64	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.	4.1	22
65	High Solid-State Near Infrared Emissive Organic Fluorophores from Thiadiazole[3,4- <i>b</i>]Pyridine Derivatives for Efficient Simple Solution-Processed Nondoped Near Infrared OLEDs. <i>Advanced Functional Materials</i> , 2020, 30, 2002481.	14.9	31
66	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.	8.0	64
67	Luminescent properties of calcium-alumino-silicate glasses (CaAlSi) doped with Sm ₂ O ₃ and co-doped with Sm ₂ O ₃ +Eu ₂ O ₃ for LED glass applications. <i>Journal of Non-Crystalline Solids</i> , 2019, 523, 119598.	3.1	11
68	Light-driven molecular switch for reconfigurable spin filters. <i>Nature Communications</i> , 2019, 10, 2455.	12.8	109
69	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
70	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
71	Water-soluble Cu ²⁺ -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> , 2019, 382, 111852.	3.9	15
72	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.	12.7	33

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73	Gram scale production of 1-azido- β -D-glucose via enzyme catalysis for the synthesis of 1,2,3-triazole-glucosides. <i>RSC Advances</i> , 2019, 9, 6211-6220.	3.6	8
74	Polydopamine-coated carbon nanodots are a highly selective turn-on fluorescent probe for dopamine. <i>Carbon</i> , 2019, 146, 728-735.	10.3	25
75	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.	5.5	24
76	Synthesis, characterization, and hole-transporting properties of benzotriazatruxene derivatives. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15035-15041.	5.5	2
77	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
78	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
79	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
80	Room temperature preparation of β -phase $\text{CsSn}_{1-x}\text{Pb}_x\text{I}_3$ films for hole-transport in solid-state dye-sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7811-7819.	2.2	0
81	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.	7.8	47
82	A new formaldehyde sensor from silver nanoclusters modified Tollens' reagent. <i>Food Chemistry</i> , 2018, 255, 41-48.	8.2	45
83	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> , 2018, 151, 149-156.	3.7	7
84	Colorimetric and fluorescent sensing of a new FRET system [5]helicene and rhodamine 6G for Hg^{2+} detection. <i>New Journal of Chemistry</i> , 2018, 42, 1396-1402.	2.8	31
85	Fluorescence chemodosimeter for dopamine based on the inner filter effect of the in situ generation of silver nanoparticles and fluorescent dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 200, 313-321.	3.9	3
86	Solution processed blue-emitting and hole-transporting materials from truxene-carbazole-pyrene triads. <i>Organic Electronics</i> , 2018, 57, 352-358.	2.6	11
87	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
88	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
89	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.	1.8	26
90	New sensitive strategy for formaldehyde sensing by in situ generation of luminescent silver nanoclusters. <i>Colloid and Polymer Science</i> , 2018, 296, 1995-2004.	2.1	8

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91	A comparative study of Perylene derivatives in organic bulk heterojunction solar cells. <i>Journal of Physics: Conference Series</i> , 2018, 1144, 012126.	0.4	0
92	Straightforward Design for Phenoxy-Imine Catalytic Activity in Ethylene Polymerization: Theoretical Prediction. <i>Catalysts</i> , 2018, 8, 422.	3.5	8
93	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.	2.8	14
94	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
95	A Single Energy Conversion and Storage Device of Cobalt Oxide Nanosheets and N-Doped Reduced Graphene Oxide Aerogel. <i>ECS Transactions</i> , 2018, 85, 435-447.	0.5	2
96	Hybrid Energy Conversion and Storage (HECS) Cells of the Composite Materials between Visible-Light Active Co(OH) ₂ and UV-Light Active Ni(OH) ₂ . <i>ECS Transactions</i> , 2018, 85, 1203-1217.	0.5	1
97	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
98	Electronic Properties of Copper(I) Thiocyanate (CuSCN). <i>Advanced Electronic Materials</i> , 2017, 3, 1600378.	5.1	64
99	Theoretical rationalization for reduced charge recombination in bulky carbazole-based sensitizers in solar cells. <i>Journal of Computational Chemistry</i> , 2017, 38, 901-909.	3.3	2
100	Significant enhancement in the performance of porphyrin for dye-sensitized solar cells: aggregation control using chenodeoxycholic acid. <i>New Journal of Chemistry</i> , 2017, 41, 7081-7091.	2.8	17
101	Improvement of A organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the linker of the dye. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1059-1072.	5.9	40
102	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
103	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
104	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> , 2017, 174, 7-16.	3.9	26
105	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
106	(D) ₂ -Type Organic Dyes for Efficient Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2528-2538.	2.4	12
107	Theoretical investigation of 2-(iminomethyl)phenol in the gas phase as a prototype of ultrafast excited-state intramolecular proton transfer. <i>Chemical Physics Letters</i> , 2016, 657, 113-118.	2.6	12
108	New D-type organic dyes having carbazol-N-yl phenothiazine moiety as a donor (D) unit for efficient dye-sensitized solar cells: experimental and theoretical studies. <i>RSC Advances</i> , 2016, 6, 38481-38493.	3.6	16

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109	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
110	Synthesis, characterization, and hole-transporting properties of pyrenyl N-substituted triazatruxenes. <i>RSC Advances</i> , 2016, 6, 56392-56398.	3.6	12
111	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
112	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
113	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
114	Theoretical design of coumarin derivatives incorporating auxiliary acceptor with D- π -A- π -A configuration for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 322-323, 16-26.	3.9	11
115	Complete reaction mechanisms of mercury oxidation on halogenated activated carbon. <i>Journal of Hazardous Materials</i> , 2016, 310, 253-260.	12.4	47
116	Coumarin-based donor- π -acceptor organic dyes for a dye-sensitized solar cell: photophysical properties and electron injection mechanism. <i>Theoretical Chemistry Accounts</i> , 2016, 135, 1.	1.4	23
117	Capability of defective graphene-supported Pd ₁₃ and Ag ₁₃ particles for mercury adsorption. <i>Applied Surface Science</i> , 2016, 364, 166-175.	6.1	21
118	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
119	Synthesis, physical and electroluminescence properties of 3,6-dipyrenylcarbazole end capped oligofluorenes. <i>RSC Advances</i> , 2015, 5, 26569-26579.	3.6	3
120	Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. <i>New Journal of Chemistry</i> , 2015, 39, 2807-2814.	2.8	16
121	Synthesis, Characterisation, and Electroluminescence Properties of π -N- π Coumarin Derivatives Containing Peripheral Triphenylamine. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 496-505.	2.4	26
122	The number density effect of N-substituted dyes on the TiO ₂ surface in dye sensitized solar cells: a theoretical study. <i>RSC Advances</i> , 2015, 5, 11549-11557.	3.6	12
123	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.	2.6	22
124	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.	3.7	35
125	Triple bond-modified anthracene sensitizers for dye-sensitized solar cells: a computational study. <i>RSC Advances</i> , 2015, 5, 38130-38140.	3.6	33
126	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.	5.5	23

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127	Influence of phenyl-attached substituents on the vibrational and electronic spectra of meso-tetraphenylporphyrin: A DFT study. <i>Computational and Theoretical Chemistry</i> , 2015, 1062, 1-10.	2.5	8
128	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
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