# Vinich Promarak

## List of Publications by Year in Descending Order



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| 199 papers | 4,661 citations | 36 h-index | 59 g-index |
| 211 ext. papers | 5,416 ext. citations | 5 avg, IF | 5.81 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 199 | Facile fabrication of flexible and conductive AuNP/DWCNT fabric with enhanced Joule heating efficiency via spray coating route. *Microelectronic Engineering*, **2022**, 255, 111718 | 2.5 | 0 |
| 198 | Charge Transport in Perylene Based Electron Transporting Layer for Perovskite Solar Cells. *Thin Solid Films*, **2022**, 741, 139012 | 2.2 | |
| 197 | The synthesis of a high-quality biodiesel product derived from Krabok (Irvingia Malayana) seed oil as a new raw material of Thailand. *Fuel*, **2022**, 308, 122009 | 7.1 | 4 |
| 196 | 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. *Talanta*, **2022**, 236, 122862 | 6.2 | 5 |
| 195 | Dual-mode organic electrochemical transistors based on self-doped conjugated polyelectrolytes for reconfigurable electronics.. *Advanced Materials*, **2022**, e2200274 | 24 | 1 |
| 194 | Chiral Resolution of RS-Baclofen via a Novel Chiral Cocrystal of R-Baclofen and L-Mandelic Acid. *Crystal Growth and Design*, **2022**, 22, 2441-2451 | 3.5 | 0 |
| 193 | Enhanced Joule heating performance of flexible transparent conductive double-walled carbon nanotube films on sparked Ag nanoparticles. *Thin Solid Films*, **2022**, 750, 139201 | 2.2 | 0 |
| 192 | Solid-State Fluorophores with Combined Excited-State Intramolecular Proton Transfer-Aggregation-Induced Emission as Efficient Emitters for Electroluminescent Devices. *Advanced Photonics Research*, **2022**, 3, 2100141 | 1.9 | 1 |
| 191 | A highly selective fluorescent sensor for manganese(II) ion detection based on N,S-doped carbon dots triggered by manganese oxide. *Dyes and Pigments*, **2022**, 110325 | 4.6 | 0 |
| 190 | An efficient solution-processable hybridized local and charge-transfer (HLCT)-based deep-red fluorescent emitter for simple structured non-doped OLED. *Journal of Luminescence*, **2022**, 248, 118921 | 3.8 | 1 |
| 189 | Chrysene and triphenylene based-fluorophores as non-doped deep blue emitters for triplet-triplet annihilation organic light-emitting diodes. *Journal of Luminescence*, **2022**, 248, 118926 | 3.8 | 1 |
| 188 | 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. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 431, 114047 | 4.7 | 2 |
| 187 | An unconventional blade coating for low-cost fabrication of PCDTBT: PC70BM polymer and CH3NH3PbIxCl3-x perovskite solar cells. *Surfaces and Interfaces*, **2021**, 23, 100969 | 4.1 | 4 |
| 186 | Synthesis, Characterization, and Physical Properties of Pyrene-Naphthalimide Derivatives as Emissive Materials for Electroluminescent Devices. *European Journal of Organic Chemistry*, **2021**, 2021, 2402-2410 | 3.2 | 2 |
| 185 | A Dimeric Stacking of Anthracene Inducing Efficiency Enhancement in Solid-State Fluorescence and Non-Doped Deep-Blue Triplet–Triplet Annihilation Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2021**, 9, 2100500 | 8.1 | 10 |
| 184 | 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 | 4.5 | 5 |
| 183 | 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 | 7.1 | 8 |

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| 182 | Rational design of anthracene-based deep-blue emissive materials for highly efficient deep-blue organic light-emitting diodes with CIEy □0.05. *Dyes and Pigments*, **2021**, 184, 108874 | 4.6 | 7 |
| 181 | Facile fabrication of flexible and conductive cellulose paper from aqueous carbon nanotube/hemicellulose compound. *Synthetic Metals*, **2021**, 271, 116646 | 3.6 | 2 |
| 180 | Bis(carbazol-9-yl)phenyl end-caped polyaromatics as solution-processed deep blue fluorescent emitters for simple structure solution-processed electroluminescent devices. *Dyes and Pigments*, **2021**, 186, 109065 | 4.6 | 4 |
| 179 | Turn-on fluorescent probe towards glyphosate and Cr3+ based on Cd(II)-metal organic framework with Lewis basic sites. *Inorganic Chemistry Frontiers*, **2021**, 8, 977-988 | 6.8 | 13 |
| 178 | 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. *Materials Chemistry Frontiers*, **2021**, 5, 2361-2372 | 7.8 | 2 |
| 177 | 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. *Analytical Methods*, **2021**, 13, 3551-3560 | 3.2 | 6 |
| 176 | Double anchor indolo[3,2-b]indole-derived metal-free dyes with extra electron donors as efficient sensitizers for dye-sensitized solar cells. *New Journal of Chemistry*, **2021**, 45, 7542-7554 | 3.6 | 2 |
| 175 | Efficient white light-emitting polymers from dual thermally activated delayed fluorescence chromophores for non-doped solution processed white electroluminescent devices. *Polymer Chemistry*, **2021**, 12, 1030-1039 | 4.9 | 5 |
| 174 | Antisolvent treatment of copper(I) thiocyanate (CuSCN) hole transport layer for efficiency improvements in organic solar cells and light-emitting diodes. *Journal of Materials Chemistry C*, **2021**, 9, 10435-10442 | 7.1 | 4 |
| 173 | Self-absorption-free excited-state intramolecular proton transfer (ESIPT) emitters for high brightness and luminous efficiency organic fluorescent electroluminescent devices. *Materials Chemistry Frontiers*, **2021**, 5, 6212-6225 | 7.8 | 0 |
| 172 | Red to orange thermally activated delayed fluorescence polymers based on 2-(4-(diphenylamino)-phenyl)-9-thioxanthen-9-one-10,10-dioxide for efficient solution-processed OLEDs.. *RSC Advances*, **2021**, 11, 24794-24806 | 3.7 | 2 |
| 171 | Enhancement of the electroluminescence properties of iridium-complexes by decorating the ligand with hole-transporting carbazole dendrons. *New Journal of Chemistry*, **2021**, 45, 7694-7704 | 3.6 | 1 |
| 170 | Tin(II) thiocyanate Sn(SCN)2 as an ultrathin anode interlayer in organic photovoltaics. *Applied Physics Letters*, **2021**, 119, 063301 | 3.4 | 3 |
| 169 | Imidazole-based solid-state fluorophores with combined ESIPT and AIE features as self-absorption-free non-doped emitters for electroluminescent devices. *Dyes and Pigments*, **2021**, 193, 109488 | 4.6 | 6 |
| 168 | Gold nanoparticle-based cascade reaction-triggered fluorogenicity for highly selective nitrite ion detection in forensic samples. *Microchemical Journal*, **2021**, 168, 106470 | 4.8 | 1 |
| 167 | Enhancement of performance of OLEDs using double indolo[3,2-b]indole electron-donors based emitter. *Journal of Luminescence*, **2021**, 238, 118287 | 3.8 | 1 |
| 166 | A solution-processable hybridized local and charge-transfer (HLCT) phenanthroimidazole as a deep-blue emitter for efficient solution-processed non-doped electroluminescence device. *Dyes and Pigments*, **2021**, 195, 109712 | 4.6 | 7 |
| 165 | N-Phenylcarbazole substituted bis(hexylthiophen-2-yl)-benzothiadiazoles as deep red emitters for hole-transporting layer free solution-processed OLEDs. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021**, 420, 113509 | 4.7 | 2 |

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| 164 | Encapsulation of aggregation-caused quenching dye in metal-organic framework as emissive layer of organic light-emitting diodes. *Microporous and Mesoporous Materials*, **2021**, 328, 111452 | 5.3 | 0 |
| 163 | Efficient Solution-Processable Non-Doped Emissive Materials Based on Oligocarbazole End-Capped Molecules for Simple Structured Red, Green, Blue, and White Electroluminescent Devices. *ACS Applied Electronic Materials*, **2021**, 3, 1311-1322 | 4 | 2 |
| 162 | A simple strategy to enhance the sensitivity of fluorescent sensor-based CdS quantum dots by using a surfactant for Hg detection. *Analytical Methods*, **2021**, 13, 4069-4078 | 3.2 | |
| 161 | The improvement in hole-transporting and electroluminescent properties of diketopyrrolopyrrole pigment by grafting with carbazole dendrons.. *RSC Advances*, **2021**, 11, 12710-12719 | 3.7 | 3 |
| 160 | Fourfold alkyl wrapping of a copper(II) porphyrin thwarts macrocycle □-stacking in a compact supramolecular package. *Acta Crystallographica Section C, Structural Chemistry*, **2020**, 76, 647-654 | 0.8 | 1 |
| 159 | Highly Soluble Indigo Derivatives as Practical Diesel Absorption Markers. *ACS Omega*, **2020**, 5, 6039-6044 | 3.9 | 2 |
| 158 | High efficiency and low efficiency roll-off hole-transporting layer-free solution-processed fluorescent NIR-OLEDs based on oligothiophene–benzothiadiazole derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 5045-5050 | 7.1 | 10 |
| 157 | [5]Helicene-rhodamine 6 G hybrid-based sensor for ultrasensitive Hg2+ detection and its biological applications. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 394, 112473 | 4.7 | 9 |
| 156 | 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 | 15.6 | 14 |
| 155 | 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 | 7.1 | 8 |
| 154 | High selective catalyst for ethylene epoxidation to ethylene oxide: A DFT investigation. *Applied Surface Science*, **2020**, 513, 145799 | 6.7 | 4 |
| 153 | Dual Naked-Eye Optical Sensor Based on Imidazolium Cation and Napthalamide for Specific Detection of Fluoride. *Journal of Fluorescence*, **2020**, 30, 259-267 | 2.4 | 1 |
| 152 | Effect of Water Molecule on Photo-Assisted Nitrous Oxide Decomposition over Oxotitanium Porphyrin: A Theoretical Study. *Catalysts*, **2020**, 10, 157 | 4 | 0 |
| 151 | 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 | 5.8 | 14 |
| 150 | Theoretical Study on Factors Influencing the Efficiency of D□A?□A Isoindigo-Based Sensitizer for Dye-Sensitized Solar Cells. *Journal of Electronic Materials*, **2020**, 49, 318-332 | 1.9 | 5 |
| 149 | A method to detect Hg2+ in vegetable via a □turn□ON□Hg2+□fluorescent sensor with a nanomolar sensitivity. *Journal of Photochemistry and Photobiology A: Chemistry*, **2020**, 389, 112224 | 4.7 | 8 |
| 148 | DFT Study of Catalytic CO2 Hydrogenation over Pt-Decorated Carbon Nanocones: H2 Dissociation Combined with the Spillover Mechanism. *Journal of Physical Chemistry C*, **2020**, 124, 1941-1949 | 3.8 | 13 |
| 147 | Complete catalytic cycle of NO decomposition on a silicon-doped nitrogen-coordinated graphene: Mechanistic insight from a DFT study. *Applied Surface Science*, **2020**, 508, 145255 | 6.7 | 8 |

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| 146 | Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. *Organic Electronics*, **2020**, 85, 105897 | 3.5 | 9 |
| 145 | A Ladder-like Dopant-free Hole-Transporting Polymer for Hysteresis-less High-Efficiency Perovskite Solar Cells with High Ambient Stability. *ChemSusChem*, **2020**, 13, 5058-5066 | 8.3 | 5 |
| 144 | Effect of thiophene/furan substitution on organic field effect transistor properties of arylthiadiazole based organic semiconductors. *Journal of Materials Chemistry C*, **2020**, 8, 17297-17306 | 7.1 | 5 |
| 143 | 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. *Chemistry - an Asian Journal*, **2020**, 15, 3029-3036 | 4.5 | 19 |
| 142 | Highly efficient all solution-processed non-doped deep-blue electroluminescent devices from oligocarbazole-end-capped spirobifluorenes. *Materials Chemistry Frontiers*, **2020**, 4, 2943-2953 | 7.8 | 6 |
| 141 | High Solid-State Near Infrared Emissive Organic Fluorophores from Thiadiazole[3,4-c]Pyridine Derivatives for Efficient Simple Solution-Processed Nondoped Near Infrared OLEDs. *Advanced Functional Materials*, **2020**, 30, 2002481 | 15.6 | 14 |
| 140 | Luminescent properties of calcium-alumino-silicate glasses (CaAlSi) doped with Sm2O3 and co-doped with Sm2O3 + Eu2O3 for LED glass applications. *Journal of Non-Crystalline Solids*, **2019**, 523, 119598 | 3.9 | 3 |
| 139 | Light-driven molecular switch for reconfigurable spin filters. *Nature Communications*, **2019**, 10, 2455 | 17.4 | 68 |
| 138 | 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. *Journal of Molecular Structure*, **2019**, 1195, 280-292 | 3.4 | 12 |
| 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. *Tetrahedron*, **2019**, 75, 3543-3552 | 2.4 | 21 |
| 136 | Water-soluble Cu2+-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 | 4.7 | 10 |
| 135 | Understanding the role of Ru dopant on selective catalytic reduction of NO with NH3 over Ru-doped CeO2 catalyst. *Chemical Engineering Journal*, **2019**, 369, 124-133 | 14.7 | 23 |
| 134 | Gram scale production of 1-azido-β-d-glucose enzyme catalysis for the synthesis of 1,2,3-triazole-glucosides.. *RSC Advances*, **2019**, 9, 6211-6220 | 3.7 | 8 |
| 133 | Polydopamine-coated carbon nanodots are a highly selective turn-on fluorescent probe for dopamine. *Carbon*, **2019**, 146, 728-735 | 10.4 | 15 |
| 132 | Sonochemical Synthesis of Carbon Dots/Lanthanoid MOFs Hybrids for White Light-Emitting Diodes with High Color Rendering. *ACS Applied Materials & Interfaces*, **2019**, 11, 44421-44429 | 9.5 | 35 |
| 131 | Tin(II) thiocyanate Sn(NCS)2 – a wide band gap coordination polymer semiconductor with a 2D structure. *Journal of Materials Chemistry C*, **2019**, 7, 3452-3462 | 7.1 | 15 |
| 130 | Synthesis, characterization, and hole-transporting properties of benzotriazatruxene derivatives. *Journal of Materials Chemistry C*, **2019**, 7, 15035-15041 | 7.1 | 1 |
| 129 | Highly selective circular dichroism sensor based on d-penicillamine/cysteamine-cadmium sulfide quantum dots for copper (II) ion detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 211, 313-321 | 4.4 | 21 |

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| 128 | 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. *ChemPlusChem*, **2019**, 84, 252-259 | 2.8 | 11 |
| 127 | Effective GQD/AuNPs nanosensors for selectively bifunctional detection of lysine and cysteine under different photophysical properties. *Sensors and Actuators B: Chemical*, **2019**, 282, 936-944 | 8.5 | 25 |
| 126 | Room temperature preparation of phase CsSn1xPbxI3 films for hole transport in solid-state dye-sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7811-7819 | 2.1 | |
| 125 | A highly selective fluorescent enhancement sensor for Al3+ based nitrogen-doped carbon dots catalyzed by Fe3+. *Sensors and Actuators B: Chemical*, **2018**, 262, 720-732 | 8.5 | 30 |
| 124 | A new formaldehyde sensor from silver nanoclusters modified Tollens' reagent. *Food Chemistry*, **2018**, 255, 41-48 | 8.5 | 28 |
| 123 | Toward rational design of metal-free organic dyes based on indolo[3,2- b ]indole structure for dye-sensitized solar cells. *Dyes and Pigments*, **2018**, 151, 149-156 | 4.6 | 7 |
| 122 | Colorimetric and fluorescent sensing of a new FRET system via [5]helicene and rhodamine 6G for Hg2+ detection. *New Journal of Chemistry*, **2018**, 42, 1396-1402 | 3.6 | 20 |
| 121 | Fluorescence chemodosimeter for dopamine based on the inner filter effect of the in situ generation of silver nanoparticles and fluorescent dye. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 200, 313-321 | 4.4 | 3 |
| 120 | Solution processed blue-emitting and hole-transporting materials from truxene-carbazole-pyrene triads. *Organic Electronics*, **2018**, 57, 352-358 | 3.5 | 10 |
| 119 | Catalytic performance enhancement of CaO by hydration-dehydration process for biodiesel production at room temperature. *Energy Conversion and Management*, **2018**, 165, 1-7 | 10.6 | 49 |
| 118 | Cysteamine-capped copper nanoclusters as a highly selective turn-on fluorescent assay for the detection of aluminum ions. *Talanta*, **2018**, 178, 796-804 | 6.2 | 39 |
| 117 | Influence of hydrogen spillover on Pt-decorated carbon nanocones for enhancing hydrogen storage capacity: A DFT mechanistic study. *Physical Chemistry Chemical Physics*, **2018**, 20, 21194-21203 | 3.6 | 20 |
| 116 | A Single Energy Conversion and Storage Device of Cobalt Oxide Nanosheets and N-Doped Reduced Graphene Oxide Aerogel. *ECS Transactions*, **2018**, 85, 435-447 | 1 | 1 |
| 115 | Novel Hybrid Energy Conversion and Storage Cell with Photovoltaic and Supercapacitor Effects in Ionic Liquid Electrolyte. *Scientific Reports*, **2018**, 8, 12192 | 4.9 | 19 |
| 114 | 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 | 1.4 | 16 |
| 113 | New sensitive strategy for formaldehyde sensing by in situ generation of luminescent silver nanoclusters. *Colloid and Polymer Science*, **2018**, 296, 1995-2004 | 2.4 | 8 |
| 112 | A comparative study of Perylene derivatives in organic bulk heterojunction solar cells. *Journal of Physics: Conference Series*, **2018**, 1144, 012126 | 0.3 | |
| 111 | Straightforward Design for Phenoxy-Imine Catalytic Activity in Ethylene Polymerization: Theoretical Prediction. *Catalysts*, **2018**, 8, 422 | 4 | 5 |

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| 110 | Oxotitanium-porphyrin for selective catalytic reduction of NO by NH3: a theoretical mechanism study. *New Journal of Chemistry*, **2018**, 42, 16806-16813 | 3.6 | 6 |
| 109 | Electronic Properties of Copper(I) Thiocyanate (CuSCN). *Advanced Electronic Materials*, **2017**, 3, 1600378 | 6.4 | 46 |
| 108 | Theoretical rationalization for reduced charge recombination in bulky carbazole-based sensitizers in solar cells. *Journal of Computational Chemistry*, **2017**, 38, 901-909 | 3.5 | 2 |
| 107 | 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 | 3.6 | 16 |
| 106 | Improvement of D-A organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the linker of the dye. *Materials Chemistry Frontiers*, **2017**, 1, 1059-1072 | 7.8 | 31 |
| 105 | Halogen substitutions leading to enhanced oxygen evolution and oxygen reduction reactions in metalloporphyrin frameworks. *Physical Chemistry Chemical Physics*, **2017**, 19, 29540-29548 | 3.6 | 37 |
| 104 | Rubber seed oil as potential non-edible feedstock for biodiesel production using heterogeneous catalyst in Thailand. *Renewable Energy*, **2017**, 101, 937-944 | 8.1 | 80 |
| 103 | Modulation of 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 | 4.4 | 18 |
| 102 | Anchoring number-performance relationship of zinc-porphyrin sensitizers for dye-sensitized solar cells: A combined experimental and theoretical study. *Dyes and Pigments*, **2017**, 136, 697-706 | 4.6 | 12 |
| 101 | Synthesis, characterization, and hole-transporting properties of pyrenyl N-substituted triazatruxenes. *RSC Advances*, **2016**, 6, 56392-56398 | 3.7 | 10 |
| 100 | A DFT study of arsine adsorption on palladium doped graphene: Effects of palladium cluster size. *Applied Surface Science*, **2016**, 367, 552-558 | 6.7 | 23 |
| 99 | Biodiesel production from palm oil using hydrated lime-derived CaO as a low-cost basic heterogeneous catalyst. *Energy Conversion and Management*, **2016**, 108, 459-467 | 10.6 | 98 |
| 98 | Economical and green biodiesel production process using river snail shells-derived heterogeneous catalyst and co-solvent method. *Bioresource Technology*, **2016**, 209, 343-50 | 11 | 72 |
| 97 | Theoretical design of coumarin derivatives incorporating auxiliary acceptor with D-A-A configuration for dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry* , **2016**, 322-323, 16-26 | 4.7 | 9 |
| 96 | Complete reaction mechanisms of mercury oxidation on halogenated activated carbon. *Journal of Hazardous Materials*, **2016**, 310, 253-60 | 12.8 | 40 |
| 95 | Coumarin-based donor-acceptor organic dyes for a dye-sensitized solar cell: photophysical properties and electron injection mechanism. *Theoretical Chemistry Accounts*, **2016**, 135, 1 | 1.9 | 19 |
| 94 | Capability of defective graphene-supported Pd13 and Ag13 particles for mercury adsorption. *Applied Surface Science*, **2016**, 364, 166-175 | 6.7 | 18 |
| 93 | Density functional theory study of elemental mercury adsorption on boron doped graphene surface decorated by transition metals. *Applied Surface Science*, **2016**, 362, 140-145 | 6.7 | 15 |

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| 92 | (D)2D2A-Type Organic Dyes for Efficient Dye-Sensitized Solar Cells. *European Journal of Organic Chemistry*, **2016**, 2016, 2528-2538 | 3.2 | 8 |
| 91 | Theoretical investigation of 2-(iminomethyl)phenol in the gas phase as a prototype of ultrafast excited-state intramolecular proton transfer. *Chemical Physics Letters*, **2016**, 657, 113-118 | 2.5 | 8 |
| 90 | New D-D-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 | 3.7 | 19 |
| 89 | Rice husk-derived sodium silicate as a highly efficient and low-cost basic heterogeneous catalyst for biodiesel production. *Energy Conversion and Management*, **2016**, 119, 453-462 | 10.6 | 101 |
| 88 | The number density effect of N-substituted dyes on the TiO2 surface in dye sensitized solar cells: a theoretical study. *RSC Advances*, **2015**, 5, 11549-11557 | 3.7 | 9 |
| 87 | 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 | 3.5 | 19 |
| 86 | Effects of π-linker, anchoring group and capped carbazole at meso-substituted zinc-porphyrins on conversion efficiency of DSSCs. *Dyes and Pigments*, **2015**, 118, 64-75 | 4.6 | 28 |
| 85 | Triple bond-modified anthracene sensitizers for dye-sensitized solar cells: a computational study. *RSC Advances*, **2015**, 5, 38130-38140 | 3.7 | 25 |
| 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 | 7.1 | 17 |
| 83 | Influence of phenyl-attached substituents on the vibrational and electronic spectra of meso-tetraphenylporphyrin: A DFT study. *Computational and Theoretical Chemistry*, **2015**, 1062, 1-10 | 2 | 6 |
| 82 | Oligoarylenes end-capped with carbazol-N-yl-carbazole as color tunable light-emitting and hole-transporting materials for solution-processed OLEDs. *RSC Advances*, **2015**, 5, 16422-16432 | 3.7 | 14 |
| 81 | Synthesis and photophysical properties of donor–acceptor system based bipyridylporphyrins for dye-sensitized solar cells. *Journal of Energy Chemistry*, **2015**, 24, 779-785 | 12 | 5 |
| 80 | Metal cluster-deposited graphene as an adsorptive material for m-xylene. *New Journal of Chemistry* , **2015**, 39, 9650-9658 | 3.6 | 12 |
| 79 | Synthesis and characterization of hole-transporting star-shaped carbazolyl truxene derivatives. *RSC Advances*, **2015**, 5, 72841-72848 | 3.7 | 9 |
| 78 | Efficient bifunctional materials based on pyrene- and triphenylamine-functionalized dendrimers for electroluminescent devices. *RSC Advances*, **2015**, 5, 73481-73489 | 3.7 | 18 |
| 77 | Highly promising discrimination of various catecholamines using ratiometric fluorescence probes with intermolecular self-association of two sensing elements. *RSC Advances*, **2015**, 5, 78468-78475 | 3.7 | 3 |
| 76 | 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 | 2.1 | 14 |
| 75 | N-coumarin derivatives as hole-transporting emitters for high efficiency solution-processed pure green electroluminescent devices. *Dyes and Pigments*, **2015**, 112, 227-235 | 4.6 | 19 |

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| 74 | Zinc-porphyrin dyes with different meso-aryl substituents for dye-sensitized solar cells: experimental and theoretical studies. *Chemistry - an Asian Journal*, **2015**, 10, 882-93 | 4.5 | 16 |
| 73 | Synthesis, physical and electroluminescence properties of 3,6-dipyrenylcarbazole end capped oligofluorenes. *RSC Advances*, **2015**, 5, 26569-26579 | 3.7 | 3 |
| 72 | Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. *New Journal of Chemistry*, **2015**, 39, 2807-2814 | 3.6 | 13 |
| 71 | Synthesis, Characterisation, and Electroluminescence Properties of N-Coumarin Derivatives Containing Peripheral Triphenylamine. *European Journal of Organic Chemistry*, **2015**, 2015, 496-505 | 3.2 | 21 |
| 70 | Theoretical studies on electronic structures and photophysical properties of anthracene derivatives as hole-transporting materials for OLEDs. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 125, 36-45 | 4.4 | 18 |
| 69 | Coumarin-cored carbazole dendrimers as solution-processed non-doped green emitters for electroluminescent devices. *Tetrahedron*, **2014**, 70, 6249-6257 | 2.4 | 15 |
| 68 | The design, synthesis, and characterization of D-π-A-π-A type organic dyes as sensitizers for dye-sensitized solar cells (DSSCs). *Tetrahedron Letters*, **2014**, 55, 3244-3248 | 2 | 13 |
| 67 | Tuning the electron donating ability in the triphenylamine-based D-π-A architecture for highly efficient dye-sensitized solar cells. *Journal of Photochemistry and Photobiology A: Chemistry*, **2014**, 273, 8-16 | 4.7 | 48 |
| 66 | Synthesis and characterization of carbazole dendronized coumarin derivatives as solution-processed non-doped emitters and hole-transporters for electroluminescent devices. *New Journal of Chemistry*, **2014**, 38, 3282 | 3.6 | 23 |
| 65 | 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. *Polymer Chemistry*, **2014**, 5, 3982 | 4.9 | 20 |
| 64 | Bifunctional oligofluorene-cored carbazole dendrimers as solution-processed blue emitters and hole transporters for electroluminescent devices. *Journal of Materials Chemistry C*, **2014**, 2, 5540 | 7.1 | 18 |
| 63 | Modification of D-A-π-A configuration toward a high-performance triphenylamine-based sensitizer for dye-sensitized solar cells: a theoretical investigation. *ChemPhysChem*, **2014**, 15, 3809-18 | 3.2 | 14 |
| 62 | Synthesis, characterization, and properties of novel bis(aryl)carbazole-containing N-coumarin derivatives. *Tetrahedron Letters*, **2014**, 55, 6689-6693 | 2 | 6 |
| 61 | Conjugated Polymer Nanoparticles by Suzuki–Miyaura Cross-Coupling Reactions in an Emulsion at Room Temperature. *Macromolecules*, **2014**, 47, 6531-6539 | 5.5 | 34 |
| 60 | Theoretical study of linker-type effect in carbazole–carbazole-based dyes on performances of dye-sensitized solar cells. *Theoretical Chemistry Accounts*, **2014**, 133, 1 | 1.9 | 11 |
| 59 | Organic sensitizers with modified di(thiophen-2-yl)phenylamine donor units for dye-sensitized solar cells: a computational study. *Theoretical Chemistry Accounts*, **2014**, 133, 1 | 1.9 | 6 |
| 58 | 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 | 2.6 | 14 |
| 57 | Carbazole-dendrimer-based donor–acceptor type organic dyes for dye-sensitized solar cells: effect of the size of the carbazole dendritic donor. *ACS Applied Materials & Interfaces*, **2014**, 6, 8212-22 | 6.5 | 51 |

| | | | |
|---|---|---|---|
| 56 | Theoretical investigation of the charge-transfer properties in different meso-linked zinc porphyrins for highly efficient dye-sensitized solar cells. *Dalton Transactions*, **2014**, 43, 9166-76 | 4.3 | 23 |
| 55 | 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 | 2 | 14 |
| 54 | Pyrene-functionalized carbazole derivatives as non-doped blue emitters for highly efficient blue organic light-emitting diodes. *Journal of Materials Chemistry C*, **2013**, 1, 4916 | 7.1 | 67 |
| 53 | Synthesis and Characterization of D□A-Type Organic Dyes Bearing Carbazole□Carbazole as a Donor Moiety (D□) for Efficient Dye-Sensitized Solar Cells. *European Journal of Organic Chemistry*, **2013**, 2013, 5051-5063 | 3.2 | 53 |
| 52 | Synthesis and Characterization of Carbazole Dendrimers as Solution-Processed High Tg Amorphous Hole-Transporting Materials for Electroluminescent Devices. *European Journal of Organic Chemistry* , **2013**, 2013, 6619-6628 | 3.2 | 29 |
| 51 | Retardation the dewetting dynamics of ultrathin polystyrene films using highly branched aromatic molecules as additives. *Thin Solid Films*, **2013**, 548, 323-330 | 2.2 | 4 |
| 50 | 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. *Chemical Communications*, **2013**, 49, 3401-3 | 5.8 | 33 |
| 49 | Synthesis and characterization of □pyrrolic functionalized porphyrins as sensitizers for dye-sensitized solar cells. *Tetrahedron Letters*, **2013**, 54, 2435-2439 | 2 | 18 |
| 48 | Synthesis and Characterization of 2D-D-□A-Type Organic Dyes Bearing Bis(3,6-di-tert-butylcarbazol-9-ylphenyl)aniline as Donor Moiety for Dye-Sensitized Solar Cells. *European Journal of Organic Chemistry*, **2013**, 2013, 2608-2620 | 3.2 | 38 |
| 47 | Synthesis and Characterization of 9-(Fluoren□2-yl)anthracene Derivatives as Efficient Non-Doped Blue Emitters for Organic Light-Emitting Diodes. *European Journal of Organic Chemistry*, **2013**, 2013, 3825-3834 | 3.2 | 29 |
| 46 | 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. *Organic Electronics*, **2013**, 14, 711-722 | 3.5 | 81 |
| 45 | Bis(carbazol-9-ylphenyl)aniline end-capped oligoarylenes as solution-processed nondoped emitters for full-emission color tuning organic light-emitting diodes. *Journal of Organic Chemistry*, **2013**, 78, 6702-13 | 4.2 | 37 |
| 44 | Effects of stereoisomerism on the crystallization behavior and optoelectrical properties of conjugated molecules. *Advanced Materials*, **2013**, 25, 3645-50 | 24 | 73 |
| 43 | Multi-triphenylamine-substituted carbazoles: synthesis, characterization, properties, and applications as hole-transporting materials. *Tetrahedron Letters*, **2013**, 54, 3683-3687 | 2 | 33 |
| 42 | Novel bis(fluorenyl)benzothiadiazole-cored carbazole dendrimers as highly efficient solution-processed non-doped green emitters for organic light-emitting diodes. *Chemical Communications*, **2013**, 49, 6388-90 | 5.8 | 41 |
| 41 | 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. *ACS Applied Materials & Interfaces*, **2013**, 5, 8694-703 | 9.5 | 68 |
| 40 | Tri-diketopyrrolopyrrole molecular donor materials for high-performance solution-processed bulk heterojunction solar cells. *Advanced Materials*, **2013**, 25, 5898-903 | 24 | 95 |
| 39 | Crystallization: Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules (Adv. Mater. 27/2013). *Advanced Materials*, **2013**, 25, 3618-3618 | 24 | |

| | | | |
|---|---|---|---|
| 38 | 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 | 2.4 | 15 |
| 37 | Multibromo-N-alkylcarbazoles: synthesis, characterization, and their benzo[b]thiophene derivatives. *Tetrahedron Letters*, **2012**, 53, 4568-4572 | 2 | 20 |
| 36 | Synthesis, characterization, and properties of 7,7?-bis(3,6-di-tert-butylcarbazol-N-yl)-substituted fluorenyl-oligothiophenes. *Tetrahedron Letters*, **2012**, 53, 5939-5943 | 2 | 2 |
| 35 | Blue light-emitting and hole-transporting materials based on 9,9-bis(4-diphenylaminophenyl)fluorenes for efficient electroluminescent devices. *Journal of Materials Chemistry*, **2012**, 22, 6869 | | 59 |
| 34 | Theoretical study of fluorenyl oligothiophenes as color tunable emissive materials for highly efficient electroluminescent device. *Organic Electronics*, **2012**, 13, 1836-1843 | 3.5 | 19 |
| 33 | Synthesis, characterization, physical properties, and applications of highly fluorescent pyrene-functionalized 9,9-bis(4-diarylaminophenyl)fluorene in organic light-emitting diodes. *Tetrahedron Letters*, **2012**, 53, 5492-5496 | 2 | 5 |
| 32 | Biodiesel production based on heterogeneous process catalyzed by solid waste coral fragment. *Fuel*, **2012**, 98, 194-202 | 7.1 | 71 |
| 31 | 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 | 2.4 | 14 |
| 30 | 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. *Journal of Physical Chemistry C*, **2012**, 116, 25653-25663 | 3.8 | 128 |
| 29 | Carbazole dendronised triphenylamines as solution processed high Tg amorphous hole-transporting materials for organic electroluminescent devices. *Chemical Communications*, **2012**, 48, 3382-4 | 5.8 | 89 |
| 28 | The effect of conjugated spacer on novel carbazole derivatives for dye-sensitized solar cells: density functional theory/time-dependent density functional theory study. *Journal of Computational Chemistry*, **2012**, 33, 1517-23 | 3.5 | 28 |
| 27 | Synthesis, Properties and Applications of Biphenyl Functionalized 9,9-Bis(4-diphenylaminophenyl)fluorenes as Bifunctional Materials for Organic Electroluminescent Devices. *European Journal of Organic Chemistry*, **2012**, 2012, 5263-5274 | 3.2 | 26 |
| 26 | Synthesis and properties of fluorene-oligothiophenes perylenediimide triads and their electropolymerizations. *Journal of Materials Chemistry*, **2012**, 22, 14579 | | 4 |
| 25 | Synthesis and characterization of high Tg carbazole-based amorphous hole-transporting materials for organic light-emitting devices. *Tetrahedron Letters*, **2011**, 52, 4749-4752 | 2 | 38 |
| 24 | meso-Multi(iodophenyl) porphyrins: synthesis, isolation, and identification. *Tetrahedron Letters*, **2011**, 52, 4795-4798 | 2 | 5 |
| 23 | Bifunctional anthracene derivatives as non-doped blue emitters and hole-transporters for electroluminescent devices. *Chemical Communications*, **2011**, 47, 7122-4 | 5.8 | 51 |
| 22 | 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 | 4.1 | 13 |
| 21 | Theoretical investigation of novel carbazole-fluorene based D-A conjugated organic dyes as dye-sensitizer in dye-sensitized solar cells (DSCs). *Journal of Computational Chemistry*, **2011**, 32, 1568-76 | 3.5 | 40 |

| | | | |
|---|---|---|---|
| 20 | COMPUTER-AIDED DESIGN OF OLED MATERIALS: A MOLECULAR MODELING APPROACH FOR OPTICAL PROPERTIES OF □FLUORENYL OLIGOTHIOPHENES. *Journal of Theoretical and Computational Chemistry*, **2010**, 09, 993-1007 | 1.8 | 5 |
| 19 | Dipyrenylcarbazole derivatives for blue organic light-emitting diodes. *Chemistry - an Asian Journal*, **2010**, 5, 2162-7 | 4.5 | 31 |
| 18 | Synthesis, structural and optical properties of CeO2 nanoparticles synthesized by a simple polyvinyl pyrrolidone (PVP) solution route. *Materials Chemistry and Physics*, **2009**, 115, 423-428 | 4.4 | 287 |
| 17 | Synthesis and optical properties of nanocrystalline ZnO powders prepared by a direct thermal decomposition route. *Applied Physics A: Materials Science and Processing*, **2009**, 94, 755-761 | 2.6 | 49 |
| 16 | Thermally and electrochemically stable amorphous hole-transporting materials based on carbazole dendrimers for electroluminescent devices. *Thin Solid Films*, **2008**, 516, 2881-2888 | 2.2 | 33 |
| 15 | Egg White Synthesis and Photoluminescence of Platelike Clusters of CeO2 Nanoparticles. *Crystal Growth and Design*, **2007**, 7, 950-955 | 3.5 | 237 |
| 14 | Synthesis and properties of N-carbazole end-capped conjugated molecules. *Tetrahedron*, **2007**, 63, 1602-1609 | 2.4 | 51 |
| 13 | Synthesis and characterization of N-carbazole end-capped oligofluorene-thiophenes. *Tetrahedron*, **2007**, 63, 8881-8890 | 2.4 | 46 |
| 12 | Synthesis and characterization of N-carbazole end-capped oligofluorenes. *Tetrahedron Letters*, **2007**, 48, 89-93 | 2 | 34 |
| 11 | Synthesis, optical, electrochemical, and thermal properties of conjugated □fluorenyl oligothiophenes. *Tetrahedron Letters*, **2007**, 48, 919-923 | 2 | 18 |
| 10 | Synthesis and characterization of novel N-carbazole end-capped oligothiophene-fluorenes. *Tetrahedron Letters*, **2007**, 48, 1151-1154 | 2 | 33 |
| 9 | Synthesis, optical, electrochemical, and thermal properties of □□-bis(9,9-bis-n-hexylfluorenyl)-substituted oligothiophenes. *Tetrahedron Letters*, **2007**, 48, 3661-3665 | 2 | 24 |
| 8 | Synthesis and optical properties of nanocrystalline V-doped ZnO powders. *Optical Materials*, **2007**, 29, 1700-1705 | 3.3 | 65 |
| 7 | Synthesis and properties of hole-transporting fluorene linked bistriphenylamine. *Optical Materials*, **2007**, 30, 364-369 | 3.3 | 31 |
| 6 | Synthesis of electrochemically and thermally stable amorphous hole-transporting carbazole dendronized fluorene. *Synthetic Metals*, **2007**, 157, 17-22 | 3.6 | 63 |
| 5 | Synthesis and optical properties of nanocrystalline ZnO powders by a simple method using zinc acetate dihydrate and poly(vinyl pyrrolidone). *Journal of Crystal Growth*, **2006**, 289, 102-106 | 1.6 | 183 |
| 4 | Synthesis and properties of stable amorphous hole-transporting molecules for electroluminescent devices. *Tetrahedron Letters*, **2006**, 47, 8949-8952 | 2 | 36 |
| 3 | A new synthetic approach to porphyrin-□diones and a -2,3,12,13-tetraone: building blocks for laterally conjugated porphyrin arrays. *Journal of the Chemical Society, Perkin Transactions 1*, **2001**, 14-20 | | 36 |

| | | | |
|---|---|---|---|
| 2 | 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). *Journal of Materials Chemistry C*, | 7.1 | 8 |
| 1 | Understanding Interfacial Recombination Processes in Narrow-Band-Gap Organic Solar Cells. *ACS Energy Letters*,1626-1634 | 20.1 | 2 |