

S Junguttiwong

List of Publications by Year in descending order

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56
papers

1,590
citations

257450

24
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315739

38
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56
all docs

56
docs citations

56
times ranked

2006
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Dâ€“Dâ€“iâ€“A-Type Organic Dyes for Dye-Sensitized Solar Cells with a Potential for Direct Electron Injection and a High Extinction Coefficient: Synthesis, Characterization, and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25653-25663. | 3.1 | 153 |
| 2 | Carbazole dendronised triphenylamines as solution processed high Tg amorphous hole-transporting materials for organic electroluminescent devices. <i>Chemical Communications</i> , 2012, 48, 3382. | 4.1 | 94 |
| 3 | 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 |
| 4 | 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. | 8.0 | 72 |
| 5 | Synthesis of electrochemically and thermally stable amorphous hole-transporting carbazole dendronized fluorene. <i>Synthetic Metals</i> , 2007, 157, 17-22. | 3.9 | 66 |
| 6 | Carbazole-Dendrimer-Based Donorâ€“iâ€“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. | 8.0 | 60 |
| 7 | Mimicking Peroxidase-Like Activity of Nitrogen-Doped Carbon Dots (N-CDs) Coupled with a Laminated Three-Dimensional Microfluidic Paper-Based Analytical Device (Laminated 3D-Î¼PAD) for Smart Sensing of Total Cholesterol from Whole Blood. <i>Analytical Chemistry</i> , 2021, 93, 6989-6999. | 6.5 | 60 |
| 8 | Bifunctional anthracene derivatives as non-doped blue emitters and hole-transporters for electroluminescent devices. <i>Chemical Communications</i> , 2011, 47, 7122. | 4.1 | 55 |
| 9 | Synthesis and Characterization of Dâ€“Dâ€“iâ€“A-Type Organic Dyes Bearing Carbazoleâ€“Carbazole as a Donor Moiety (Dâ€“D) for Efficient Dyeâ€“Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5051-5063. | 2.4 | 55 |
| 10 | Theoretical Study of Modes of Adsorption of Water Dimer on H-ZSM-5 and H-Faujasite Zeolites. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13342-13351. | 2.6 | 43 |
| 11 | Synthesis and characterization of high Tg carbazole-based amorphous hole-transporting materials for organic light-emitting devices. <i>Tetrahedron Letters</i> , 2011, 52, 4749-4752. | 1.4 | 41 |
| 12 | Synthesis and Characterization of 2Dâ€“Dâ€“iâ€“A-Type Organic Dyes Bearing Bis(3,6â€“diâ€“tert-butylcarbazolâ€“9-ylphenyl)aniline as Donor Moiety for Dyeâ€“Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2608-2620. | 2.4 | 40 |
| 13 | Improvement of Dâ€“iâ€“A organic dye-based dye-sensitized solar cell performance by simple triphenylamine donor substitutions on the Î€-linker of the dye. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1059-1072. | 5.9 | 40 |
| 14 | Bis(carbazol-9-ylphenyl)aniline End-Capped Oligoarylenes as Solution-Processed Nondoped Emitters for Full-Emission Color Tuning Organic Light-Emitting Diodes. <i>Journal of Organic Chemistry</i> , 2013, 78, 6702-6713. | 3.2 | 38 |
| 15 | Adsorption of carbon monoxide on H-FAU and Li-FAU zeolites: an embedded cluster approach. <i>Journal of Molecular Structure</i> , 2000, 525, 153-162. | 3.6 | 37 |
| 16 | An efficient solution processed non-doped red emitter based on carbazoleâ€“triphenylamine end-capped di(thiophen-2-yl)benzothiadiazole for pure red organic light-emitting diodes. <i>Chemical Communications</i> , 2013, 49, 3401. | 4.1 | 36 |
| 17 | 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 |
| 18 | Synthesis, Properties and Applications of Biphenyl Functionalized 9,9â€“Bis(4â€“diphenylaminophenyl)fluorenes as Bifunctional Materials for Organic Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5263-5274. | 2.4 | 34 |

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|----|--|------|-----------|
| 19 | Synthesis and Characterization of Carbazole Dendrimers as Solution-Processed High Conductivity Amorphous Hole-Transporting Materials for Electroluminescent Devices. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6619-6628. | 2.4 | 34 |
| 20 | Synthesis and characterization of carbazole dendronized coumarin derivatives as solution-processed non-doped emitters and hole-transporters for electroluminescent devices. <i>New Journal of Chemistry</i> , 2014, 38, 3282. | 2.8 | 30 |
| 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 | 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 |
| 23 | Efficient bifunctional materials based on pyrene- and triphenylamine-functionalized dendrimers for electroluminescent devices. <i>RSC Advances</i> , 2015, 5, 73481-73489. | 3.6 | 25 |
| 24 | Antibacterial and Antifungal Polyketides from the Fungus <i>Aspergillus unguis</i> PSU-MF16. <i>Journal of Natural Products</i> , 2021, 84, 1498-1506. | 3.0 | 25 |
| 25 | Conjugated Copolymers That Shouldn't Be. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11115-11119. | 13.8 | 25 |
| 26 | Synthesis, optical, electrochemical, and thermal properties of 1,1'-bis(9,9-bis-n-hexylfluorenyl)-substituted oligothiophenes. <i>Tetrahedron Letters</i> , 2007, 48, 3661-3665. | 1.4 | 24 |
| 27 | Linearly π -conjugated oligothiophenes as simple metal-free sensitizers for dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7756-7761. | 5.5 | 23 |
| 28 | 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 |
| 29 | Characterization of acidity in [B], [Al], and [Ga] isomorphously substituted ZSM-5: Embedded DFT/UHF approach. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 2275-2282. | 2.0 | 21 |
| 30 | Carbazole dendrimers containing oligoarylfluorene cores as solution-processed hole-transporting non-doped emitters for efficient pure red, green, blue and white organic light-emitting diodes. <i>Polymer Chemistry</i> , 2014, 5, 3982. | 3.9 | 21 |
| 31 | Bifunctional oligofluorene-cored carbazole dendrimers as solution-processed blue emitters and hole transporters for electroluminescent devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5540. | 5.5 | 20 |
| 32 | Zinc-Porphyrin Dyes with Different meso-Aryl Substituents for Dye-Sensitized Solar Cells: Experimental and Theoretical Studies. <i>Chemistry - an Asian Journal</i> , 2015, 10, 882-893. | 3.3 | 20 |
| 33 | 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 |
| 34 | Combined experimental and theoretical investigation on Fluorescence Resonance Energy Transfer of dye loaded on LTL zeolite. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 372-382. | 4.4 | 17 |
| 35 | New 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. <i>RSC Advances</i> , 2016, 6, 38481-38493. | 3.6 | 16 |
| 36 | Synthesis and properties of oligofluorene-thiophenes as emissive materials for organic electroluminescent devices: color-tuning from deep blue to orange. <i>Tetrahedron</i> , 2012, 68, 8416-8423. | 1.9 | 15 |

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|----|---|-----------|-----------|
| 37 | An organic dye using N-dodecyl-3-(3,6-di-tert-butylcarbazol-N-yl)carbazol-6-yl as a donor moiety for efficient dye-sensitized solar cells. <i>Tetrahedron Letters</i> , 2013, 54, 4903-4907. | 1.4 | 14 |
| 38 | 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 |
| 39 | Photophysical Properties of Partially Functionalized Phenylsilsesquioxane: [RSiO _{1.5}] ₇ [Me/nPrSiO _{1.5}] and [RSiO _{1.5}] ₇ [O _{0.5} SiMe ₃] ₃ (R =) <i>J Mater Chem</i> 2019, 52, 4008-4019. | 1.0784334 | 10 |
| 40 | 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 |
| 41 | Unconventional Conjugation via vinylMeSi(O ⁺) ₂ Siloxane Bridges May Impart Semiconducting Properties in [vinyl(Me)SiO(PhSiO _{1.5}) ₈ OSi(Me)vinyl-Ar] Double-Decker Copolymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3894-3907. | 4.4 | 13 |
| 42 | (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 |
| 43 | Theoretical mechanistic study of CO catalytic oxidation by O ₂ on an ultra-small 13-atom bimetallic Ag ₇ Au ₆ cluster. <i>Applied Catalysis A: General</i> , 2020, 595, 117505. | 4.3 | 12 |
| 44 | Theoretical Study on Factors Influencing the Efficiency of D ⁺ -A Isoindigo-Based Sensitizer for Dye-Sensitized Solar Cells. <i>Journal of Electronic Materials</i> , 2020, 49, 318-332. | 2.2 | 11 |
| 45 | Catalytic reduction mechanism of deoxygenation of NO <i>via</i> the CO-reaction pathway using nanoalloy Ag ₇ Au ₆ clusters: density functional theory investigation. <i>New Journal of Chemistry</i> , 2018, 42, 14120-14127. | 2.8 | 8 |
| 46 | Host-guest composite materials of dyes loaded zeolite LTL for antenna applications. <i>Journal of Luminescence</i> , 2015, 161, 31-36. | 3.1 | 7 |
| 47 | Ti ₄ -Decorated B/N-doped graphene as a high-capacity hydrogen storage material: a DFT study. <i>Dalton Transactions</i> , 2021, 50, 11398-11411. | 3.3 | 7 |
| 48 | Removal of H ₂ S to produce hydrogen in the presence of CO on a transition metal-doped ZSM-12 catalyst: a DFT mechanistic study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19877-19887. | 2.8 | 6 |
| 49 | Multi step energy transfer between three Si_LTL and SiGe_LTL zeolite-loaded dyes. <i>Journal of Porous Materials</i> , 2018, 25, 1381-1389. | 2.6 | 5 |
| 50 | Formic acid dehydrogenation over single atom Pd-deposited carbon nanocones for hydrogen production: a mechanistic DFT study. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 609-626. | 3.4 | 4 |
| 51 | Synthesis, physical and electroluminescence properties of 3,6-dipyrenylcarbazole end capped oligofluorenes. <i>RSC Advances</i> , 2015, 5, 26569-26579. | 3.6 | 3 |
| 52 | 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 |
| 53 | Co-embedded sulfur vacant MoS ₂ monolayer as a promising catalyst for formaldehyde oxidation: a theoretical evaluation. <i>New Journal of Chemistry</i> , 2021, 45, 17407-17417. | 2.8 | 2 |
| 54 | 15-P-10-A theoretical study of adsorption of carbon monoxide on Ag-ZSM-5 zeolite. <i>Studies in Surface Science and Catalysis</i> , 2001, , 257. | 1.5 | 1 |

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|----|---|-----|-----------|
| 55 | Conjugated Copolymers That Shouldn't Be. <i>Angewandte Chemie</i> , 2021, 133, 11215-11219. | 2.0 | 0 |
| 56 | Physicochemical investigation of the enhanced removal of methylene blue from aqueous solution using polydopamine/silver nanoparticles. <i>Journal of the Textile Institute</i> , 0, , 1-12. | 1.9 | 0 |