

Mai Ha Hoang

List of Publications by Year in descending order

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49
papers

795
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516710

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h-index

526287

27
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50
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docs citations

50
times ranked

1413
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Photosensitive π -Aggregated Single-Crystalline Organic Transistors. <i>Advanced Materials</i> , 2011, 23, 3095-3099.	21.0	119
2	Unusually High-Performing Organic Field-Effect Transistors Based on π -Extended Semiconducting Porphyrins. <i>Advanced Materials</i> , 2012, 24, 5363-5367.	21.0	67
3	Highly sensitive phototransistor with crystalline microribbons from new π -extended pyrene derivative via solution-phase self-assembly. <i>Chemical Communications</i> , 2011, 47, 8907.	4.1	57
4	High-mobility bio-organic field effect transistors with photoreactive DNAs as gate insulators. <i>Applied Physics Letters</i> , 2010, 96, 103307.	3.3	38
5	Dendronized tricyanopyrroline-based chromophores in nonlinear optical active host polymer. <i>Journal of Polymer Science Part A</i> , 2008, 46, 5064-5076.	2.3	36
6	High-Performance Single-Crystal-Based Organic Field-Effect Transistors from π -Extended Porphyrin Derivatives. <i>Chemistry - A European Journal</i> , 2011, 17, 7772-7776.	3.3	33
7	Heteroarene-fused π -conjugated main-chain polymers containing 4,7-bis(4-octylthiophen-2-yl)benzo[c][1,2,5]thiadiazole or 2,5-bis(4-octylthiophen-2-yl)thiazolo[5,4-c]thiazole and their application to photovoltaic devices. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5921-5929.		
8	Semiconducting 2,3,6,7,10,11-Hexakis{[4-(5-dodecylthiophen-2-yl)phenyl]ethynyl}triphenylene and Its Discotic Liquid Crystalline Properties. <i>Chemistry Letters</i> , 2010, 39, 396-397.	1.3	28
9	Photoreactive low-bandgap 4H-cyclopenta[2,1-b:3,4-b ²]dithiophene and 4,7-di(thiophen-2-yl)benzo[c][1,2,5]thiadiazole-based alternating copolymer for polymer solar cell. <i>Organic Electronics</i> , 2011, 12, 269-278.	2.6	25
10	Tricyanofuran-based donor-acceptor type chromophores for bulk heterojunction organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 98, 71-77.	6.2	25
11	New semiconducting multi-branched conjugated molecules based on π -extended triphenylene and its application to organic field-effect transistor. <i>Thin Solid Films</i> , 2009, 518, 501-506.	1.8	21
12	High-efficiency non-fullerene polymer solar cell fabricated by a simple process using new conjugated terpolymers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 111-118.	5.5	21
13	9,10-Bis(phenylethynyl)anthracene-based organic semiconducting molecules for annealing-free thin film transistors. <i>Synthetic Metals</i> , 2010, 160, 1022-1029.	3.9	20
14	Organic donor- π -acceptor molecules based on 1,2,4,5-tetrakis((E)-2-(5-hexyl-2-thiophen-5-yl)vinyl)benzene and perylene diimide derivative and their application to photovoltaic devices. <i>Organic Electronics</i> , 2009, 10, 1429-1441.	2.6	18
15	An Unsymmetrically π -Extended Porphyrin-Based Single-Crystal Field-Effect Transistor and Its Anisotropic Carrier Transport Behavior. <i>Chemistry - A European Journal</i> , 2013, 19, 2247-2251.	3.3	18
16	Photoreactive π -conjugated star-shaped molecules for the organic field-effect transistor. <i>Organic Electronics</i> , 2009, 10, 607-617.	2.6	17
17	Optimal Design of PEDOT:PSS Polymer-Based Silver Nanowire Electrodes for Realization of Flexible Polymer Solar Cells. <i>Macromolecular Research</i> , 2021, 29, 75-81.	2.4	15
18	Organic field-effect transistors based on semiconducting porphyrin single crystals. <i>Synthetic Metals</i> , 2012, 162, 419-425.	3.9	14

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19	Influence of Organoclay on the Flame Retardancy and Thermal Insulation Property of Expandable Graphite/Polyurethane Foam. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	1.9	14
20	Synergistic effects of aluminum hydroxide, red phosphorus, and expandable graphite on the flame retardancy and thermal stability of polyethylene. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50317.	2.6	14
21	Morphological diversity of Mn(III) metalloporphyrin-based nano- and microsized CPAs assembled via kinetic and thermodynamic controls and their application in heterogeneous catalysis. <i>CrystEngComm</i> , 2013, 15, 9360.	2.6	11
22	Molecular-weight engineering of high-performing diketopyrrolopyrrole-based copolymer bearing high π -extended long donating units. <i>Polymer</i> , 2016, 83, 77-84.	3.8	11
23	High-performing random terpolymer-based nonfullerene polymer solar cells fabricated using solvent additive-free as-cast blend films. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1528-1535.	2.3	11
24	Patterned Sandwich-Type Silver Nanowire-Based Flexible Electrode by Photolithography. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61463-61472.	8.0	11
25	Synthesis of Conjugated Wide-Bandgap Copolymers Bearing Ladder-Type Donating Units and Their Application to Non-Fullerene Polymer Solar Cells. <i>Macromolecular Research</i> , 2018, 26, 844-850.	2.4	10
26	Effect of molecular packing of zinc(II) porphyrins on the performance of field-effect transistors. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2014, 5, 045012.	1.5	9
27	New π -extended triphenylene-based organic semiconductors in field-effect transistors. <i>Synthetic Metals</i> , 2015, 209, 434-440.	3.9	9
28	Phenothiazine derivatives, diketopyrrolopyrrole-based conjugated polymers: synthesis, optical and organic field effect transistor properties. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	9
29	Enhanced performance of organic photovoltaic devices by photo-crosslinkable buffer layer. <i>Macromolecular Research</i> , 2013, 21, 65-70.	2.4	8
30	Synthesis and characterization of donor-acceptor semiconducting polymers containing 4-(4-((2-ethylhexyl)oxy)phenyl)-4H-dithieno[3,2-b:2',3'-d]pyrrole for organic solar cells. <i>New Journal of Chemistry</i> , 2020, 44, 16900-16912.	2.8	8
31	Electro-optic effect of a soluble nonlinear optical polyimide containing two different chromophores with different sizes in the side chain. <i>Macromolecular Research</i> , 2011, 19, 403-407.	2.4	7
32	Regular conjugated terpolymers comprising two different acceptors and bithiophene donor in repeating group: Effect of strong and weak acceptors on semiconducting properties. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1339-1347.	2.3	6
33	Fabrication of Graphene Quantum Dots Based Fluorescent Sensor for Detection of Clenbuterol. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4567-4572.	0.9	6
34	π -extended conjugated semiconducting molecules based on triphenylene. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 035002.	1.5	5
35	An Initial Evaluation on the Adsorption of SO ₂ and NO ₂ over Porous Fe ₃ O ₄ Nanoparticles Synthesized by Facile Scalable Method. <i>Journal of Chemistry</i> , 2019, 2019, 1-7.	1.9	5
36	Direct (hetero)arylation polymerization for the synthesis of donor-acceptor conjugated polymers based on N-benzoyldithieno [3,2-b:2',3'-d]pyrrole and diketopyrrolopyrrole toward organic photovoltaic cell application. <i>Polymer International</i> , 2019, 68, 1776-1786.	3.1	5

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37	Synthesis of Gold Nanoparticles Capped with Quaterthiophene for Transistor and Resistor Memory Devices. <i>Journal of Chemistry</i> , 2016, 2016, 1-8.	1.9	4
38	Antimicrobial ultrathin film based on well-defined silver nanoparticles and polylactide. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 025014.	1.5	4
39	Co-Encapsulation of Lycopene and Resveratrol in Polymeric Nanoparticles: Morphology and Lycopene Stability. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 3156-3164.	0.9	4
40	Donor-acceptor and donor-donor alternating conjugated polymers based on dithieno[3,2-b:2',3'-d]pyrrole: synthesis, optical properties and organic solar cells applications. <i>Journal of Polymer Research</i> , 2022, 29, 1.	2.4	4
41	Silver nanowire/graphene oxide electrode for electrochemical detection of lead ions. <i>Chemical Papers</i> , 0, , .	2.2	4
42	Rapid and sensitive detection of clenbuterol using a fluorescence nanosensor based on diazo coupling mechanism. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2015, 6, 025007.	1.5	3
43	Effect of the incorporation of organoclay and melamine cyanurate on the flame retardancy and mechanical property of polyurethane foam. <i>Vietnam Journal of Chemistry</i> , 2019, 57, 368-374.	0.8	3
44	Uniform Silver Nanowire Patterned Electrode on Robust PEN Substrate Using Poly(2-hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	8.0	3
45	New narrow bandgap polymers containing 10-(4-((2-ethylhexyl)oxy)phenyl)-10H-phenothiazine/phenoxazine and <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 10194-10208.	2.2	2
46	Photocrosslinkable π -conjugated cruciform molecules for electronic/optoelectronic applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 045006.	1.5	1
47	Preparation of ZnO nanoflakes and assessment of their removal of HCN, NO ₂ and SO ₂ toxic gases. <i>International Journal of Materials Research</i> , 2021, 112, 10-16.	0.3	1
48	EFFECT OF MOLECULAR STRUCTURE OF PORPHYRINS ON THEIR SEMICONDUCTING PROPERTIES. <i>Science and Technology</i> , 2016, 54, 356.	0.2	0
49	Light Absorption and Luminescence Properties of the Blend Poly(N-vinylcarbazole)/Poly(N-hexylthiophene). <i>Communications in Physics</i> , 2017, 26, 269.	0.0	0