

# Hong Duc Pham

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,972  
citations

331538

21  
h-index

345118

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2514  
citing authors

#	ARTICLE	IF	CITATIONS
1	True Meaning of Pseudocapacitors and Their Performance Metrics: Asymmetric versus Hybrid Supercapacitors. <i>Small</i> , 2020, 16, e2002806.	5.2	405
2	Development of Dopant-Free Organic Hole Transporting Materials for Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 1903326.	10.2	202
3	Organic interfacial materials for perovskite-based optoelectronic devices. <i>Energy and Environmental Science</i> , 2019, 12, 1177-1209.	15.6	185
4	Molecular Engineering Using an Anthanthrone Dye for Low-Cost Hole Transport Materials: A Strategy for Dopant-Free, High-Efficiency, and Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1703007.	10.2	154
5	Marine brown algae: A conundrum answer for sustainable biofuels production. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 50, 782-792.	8.2	100
6	All-Rounder Low-Cost Dopant-Free Doped Hole-Transporting Materials for Efficient Indoor and Outdoor Performance of Perovskite Solar Cells. <i>Advanced Electronic Materials</i> , 2020, 6, 1900884.	2.6	72
7	Dopant-free novel hole-transporting materials based on quinacridone dye for high-performance and humidity-stable mesoporous perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5315-5323.	5.2	70
8	Boosting inverted perovskite solar cell performance by using 9,9-bis(4-diphenylaminophenyl)fluorene functionalized with triphenylamine as a dopant-free hole transporting material. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12507-12517.	5.2	62
9	One step facile synthesis of a novel anthanthrone dye-based, dopant-free hole transporting material for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3699-3708.	2.7	61
10	Low-Cost Alternative High-Performance Hole-Transport Material for Perovskite Solar Cells and Its Comparative Study with Conventional SPIRO-OMeTAD. <i>Advanced Electronic Materials</i> , 2017, 3, 1700139.	2.6	60
11	Thienylvinylethienyl and Naphthalene Core Substituted with Triphenylamines Highly Efficient Hole Transporting Materials and Their Comparative Study for Inverted Perovskite Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700105.	3.1	59
12	Molecular Engineering Strategy for High Efficiency Fullerene-Free Organic Solar Cells Using Conjugated 1,8-Naphthalimide and Fluorenone Building Blocks. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16967-16976.	4.0	56
13	Acene-based organic semiconductors for organic light-emitting diodes and perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9017-9029.	2.7	50
14	Dual Carbon Potassium-Ion Capacitors: Biomass-Derived Graphene-like Carbon Nanosheet Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48518-48525.	4.0	47
15	Deep Eutectic Solvents: Green Approach for Cathode Recycling of Li-Ion Batteries. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, 2100133.	2.8	47
16	Effect of Supports and Promoters on the Performance of Ni-Based Catalysts in Ethanol Steam Reforming. <i>Chemical Engineering and Technology</i> , 2020, 43, 672-688.	0.9	40
17	Emerging Perovskite Solar Cell Technology: Remedial Actions for the Foremost Challenges. <i>Advanced Energy Materials</i> , 2021, 11, .	10.2	40
18	Overview of anaerobic digestion process for biofuels production from marine macroalgae: A developmental perspective on brown algae. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 567-575.	1.2	38

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19	Large interspaced layered potassium niobate nanosheet arrays as an ultrastable anode for potassium ion capacitor. <i>Energy Storage Materials</i> , 2021, 34, 475-482.	9.5	33
20	Bacterial community structure in maximum volatile fatty acids production from alginate in acidogenesis. <i>Bioresource Technology</i> , 2014, 157, 22-27.	4.8	32
21	Multi-heteroatom doped nanocarbons for high performance double carbon potassium ion capacitor. <i>Electrochimica Acta</i> , 2021, 389, 138717.	2.6	24
22	Spent graphite from end-of-life Li-ion batteries as a potential electrode for aluminium ion battery. <i>Sustainable Materials and Technologies</i> , 2020, 26, e00230.	1.7	19
23	Reduced graphene oxide nanofluidic electrolyte with improved electrochemical properties for vanadium flow batteries. <i>Journal of Energy Storage</i> , 2022, 49, 104133.	3.9	17
24	Maximization of volatile fatty acids production from alginate in acidogenesis. <i>Bioresource Technology</i> , 2013, 148, 601-604.	4.8	16
25	Piezo-supercapacitors: A new paradigm of self-powered wellbeing and biomedical devices. <i>Nano Energy</i> , 2021, 90, 106607.	8.2	16
26	A triphenylamine substituted quinacridone derivative for solution processed organic light emitting diodes. <i>Materials Chemistry and Physics</i> , 2018, 206, 56-63.	2.0	15
27	Fluorination of pyrene-based organic semiconductors enhances the performance of light emitting diodes and halide perovskite solar cells. <i>Organic Electronics</i> , 2020, 77, 105524.	1.4	10
28	Small molecular material as an interfacial layer in hybrid inverted structure perovskite solar cells. <i>Materials Science in Semiconductor Processing</i> , 2020, 108, 104908.	1.9	8
29	Back-Integration of Recovered Graphite from Waste-Batteries as Ultra-High Capacity and Stable Anode for Potassium-Ion Battery. <i>Batteries and Supercaps</i> , 2022, 5, .	2.4	8
30	Application of Hole-Transporting Materials as the Interlayer in Graphene Oxide/Single-Wall Carbon Nanotube Silicon Heterojunction Solar Cells. <i>Australian Journal of Chemistry</i> , 2017, 70, 1202.	0.5	7
31	Enhancing Mechanical Energy Transfer of Piezoelectric Supercapacitors. <i>Advanced Materials Technologies</i> , 2022, 7, 2100550.	3.0	5
32	Application of A Novel, Non-Doped, Organic Hole-Transport Layer into Single-Walled Carbon Nanotube/Silicon Heterojunction Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4721.	1.3	3
33	Zero-waste: Carbon and SiO <sub>2</sub> composite materials from the solid residue of the hydrothermal liquefaction of anaerobic digestion digestate for Li-ion batteries. <i>Sustainable Materials and Technologies</i> , 2022, 31, e00364.	1.7	3
34	Emerging Perovskite Solar Cell Technology: Remedial Actions for the Foremost Challenges (Adv.) <i>TJ ETQq0 0 0 rgBT/Overlock, 10 Tf 50 1</i>	10.2	2
35	2D MoS <sub>2</sub> Heterostructures on Epitaxial and Self-Standing Graphene for Energy Storage: From Growth Mechanism to Application. <i>Advanced Materials Technologies</i> , 0, , 2100963.	3.0	1
36	Fluorenone and triphenylamine based donor-acceptor-donor (D-A-D) for solution-processed organic light-emitting diodes. <i>Flexible and Printed Electronics</i> , 2022, 7, 025009.	1.5	1

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37	Conjugated 1,8-Naphthalimide Based Solution Processable n-Type Semiconductors for Organic Electronics. , 0, , .		0
38	Enhancing Mechanical Energy Transfer of Piezoelectric Supercapacitors (Adv. Mater. Technol. 4/2022). Advanced Materials Technologies, 2022, 7, .	3.0	0