

# Pawin Iamprasertkun

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,024  
citations

471509

17  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Auto-oxidation of exfoliated MoS <sub>2</sub> in <i>N</i> -methyl-2-pyrrolidone: from 2D nanosheets to 3D nanorods. <i>New Journal of Chemistry</i> , 2022, 46, 747-755.	2.8	9
2	Insights into binding mechanisms of size-selected graphene binders for flexible and conductive porous carbon electrodes. <i>Electrochimica Acta</i> , 2022, 403, 139696.	5.2	11
3	Controlling the flake size of bifunctional 2D WSe <sub>2</sub> nanosheets as flexible binders and supercapacitor materials. <i>Nanoscale Advances</i> , 2021, 3, 653-660.	4.6	30
4	The electrochemistry of size dependent graphene <i>via</i> liquid phase exfoliation: capacitance and ionic transport. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11616-11623.	2.8	11
5	Water friction in nanofluidic channels made from two-dimensional crystals. <i>Nature Communications</i> , 2021, 12, 3092.	12.8	59
6	Scalable 18,650 aqueous-based supercapacitors using hydrophobicity concept of anti-corrosion graphite passivation layer. <i>Scientific Reports</i> , 2021, 11, 13082.	3.3	12
7	A Review: Ion Transport of Two-Dimensional Materials in Novel Technologies from Macro to Nanoscopic Perspectives. <i>Energies</i> , 2021, 14, 5819.	3.1	7
8	Tunable charge/size selective ion sieving with ultrahigh water permeance through laminar graphene membranes. <i>Carbon</i> , 2020, 156, 119-129.	10.3	41
9	Potential dependent ionic sieving through functionalized laminar MoS <sub>2</sub> membranes. <i>2D Materials</i> , 2020, 7, 015030.	4.4	21
10	Understanding the electrochemistry of "water-in-salt" electrolytes: basal plane highly ordered pyrolytic graphite as a model system. <i>Chemical Science</i> , 2020, 11, 6978-6989.	7.4	36
11	Capacitance of Basal Plane and Edge-Oriented Highly Ordered Pyrolytic Graphite: Specific Ion Effects. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 617-623.	4.6	50
12	Electrochemical intercalation of MoO <sub>3</sub> -MoS <sub>2</sub> composite electrodes: Charge storage mechanism of non-hydrated cations. <i>Electrochimica Acta</i> , 2019, 307, 176-187.	5.2	29
13	Applications to water transport systems: general discussion. <i>Faraday Discussions</i> , 2018, 209, 389-414.	3.2	4
14	Hybrid energy storage of battery-type nickel hydroxide and supercapacitor-type graphene: redox additive and charge storage mechanism. <i>Sustainable Energy and Fuels</i> , 2017, 1, 275-279.	4.9	25
15	Hybrid Energy Storage of Ni(OH) <sub>2</sub> -coated N-doped Graphene Aerogel//N-doped Graphene Aerogel for the Replacement of NiCd and NiMH Batteries. <i>Scientific Reports</i> , 2017, 7, 1124.	3.3	35
16	High-performance supercapacitors of carboxylate-modified hollow carbon nanospheres coated on flexible carbon fibre paper: Effects of oxygen-containing group contents, electrolytes and operating temperature. <i>Electrochimica Acta</i> , 2017, 238, 64-73.	5.2	23
17	Insight into charge storage mechanisms of layered MnO <sub>2</sub> nanosheets for supercapacitor electrodes: In situ electrochemical X-ray absorption spectroscopy. <i>Electrochimica Acta</i> , 2017, 249, 26-32.	5.2	56
18	Enhancing the charge-storage performance of N-doped reduced graphene oxide aerogel supercapacitors by adsorption of the cationic electrolytes with single-strand deoxyribonucleic acid. <i>Carbon</i> , 2016, 109, 314-320.	10.3	36

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19	High-Performance Asymmetric Supercapacitors of MnCo <sub>2</sub> O <sub>4</sub> Nanofibers and N-Doped Reduced Graphene Oxide Aerogel. ACS Applied Materials & Interfaces, 2016, 8, 34045-34053.	8.0	193
20	Charge storage mechanisms of manganese oxide nanosheets and N-doped reduced graphene oxide aerogel for high-performance asymmetric supercapacitors. Scientific Reports, 2016, 6, 37560.	3.3	85
21	N-doped reduced graphene oxide aerogel coated on carboxyl-modified carbon fiber paper for high-performance ionic-liquid supercapacitors. Carbon, 2016, 102, 455-461.	10.3	145
22	High-performance supercapacitor of electrodeposited porous 3D polyaniline nanorods on functionalized carbon fiber paper: Effects of hydrophobic and hydrophilic surfaces of conductive carbon paper substrates. Materials Today Communications, 2015, 4, 176-185.	1.9	19
23	High-Performance Supercapacitor of Functionalized Carbon Fiber Paper with High Surface Ionic and Bulk Electronic Conductivity: Effect of Organic Functional Groups. Electrochimica Acta, 2015, 176, 504-513.	5.2	74