Kanit Hantanasirisakul

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4736745/publications.pdf

Version: 2024-02-01

37 papers	6,713 citations	201674 27 h-index	330143 37 g-index
39 all docs	39 docs citations	39 times ranked	5342 citing authors

#	Article	IF	Citations
1	Electronic and Optical Properties of 2D Transition Metal Carbides and Nitrides (MXenes). Advanced Materials, 2018, 30, e1804779.	21.0	850
2	Anomalous absorption of electromagnetic waves by 2D transition metal carbonitride Ti ₃ CNT _x (MXene). Science, 2020, 369, 446-450.	12.6	844
3	Control of MXenesâ€™ electronic properties through termination and intercalation. Nature Communications, 2019, 10, 522.	12.8	721
4	Fabrication of Ti₃C₂T_x MXene Transparent Thin Films with Tunable Optoelectronic Properties. Advanced Electronic Materials, 2016, 2, 1600050.	5.1	587
5	Synthesis of Mo₄VAlC₄ MAX Phase and Two-Dimensional Mo₄VC₄ MXene with Five Atomic Layers of Transition Metals. ACS Nano, 2020, 14, 204-217.	14.6	429
6	Modified MAX Phase Synthesis for Environmentally Stable and Highly Conductive Ti₃C₂ MXene. ACS Nano, 2021, 15, 6420-6429.	14.6	417
7	Surface Termination Dependent Work Function and Electronic Properties of Ti₃C₂T_x MXene. Chemistry of Materials, 2019, 31, 6590-6597.	6.7	359
8	2D molybdenum and vanadium nitrides synthesized by ammoniation of 2D transition metal carbides (MXenes). Nanoscale, 2017, 9, 17722-17730.	5.6	327
9	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. Advanced Optical Materials, 2019, 7, 1900267.	7.3	245
10	Effect of Ti₃AlC₂ MAX Phase on Structure and Properties of Resultant Ti₃C₂T_x MXene. ACS Applied Nano Materials, 2019, 2, 3368-3376.	5.0	210
11	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. Journal of the American Chemical Society, 2020, 142, 19110-19118.	13.7	198
12	SnO₂â€“Ti₃C₂ MXene electron transport layers for perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 5635-5642.	10.3	173
13	Effects of Synthesis and Processing on Optoelectronic Properties of Titanium Carbonitride MXene. Chemistry of Materials, 2019, 31, 2941-2951.	6.7	160
14	Electrochromic Effect in Titanium Carbide MXene Thin Films Produced by Dipâ€Coating. Advanced Functional Materials, 2019, 29, 1809223.	14.9	148
15	Surface Modification of a MXene by an Aminosilane Coupling Agent. Advanced Materials Interfaces, 2020, 7, 1902008.	3.7	134
16	Interfacial Assembly of Ultrathin, Functional MXene Films. ACS Applied Materials & Interfaces, 2019, 11, 32320-32327.	8.0	91
17	Synthesis and electrochemical properties of 2D molybdenum vanadium carbides â€“ solid solution MXenes. Journal of Materials Chemistry A, 2020, 8, 8957-8968.	10.3	90
18	Highly conductive and scalable Ti3C2T -coated fabrics for efficient electromagnetic interference shielding. Carbon, 2021, 174, 382-389.	10.3	84

#	Article	IF	Citations
19	Influence of operating conditions on the desalination performance of a symmetric pre-conditioned Ti3C2T -MXene membrane capacitive deionization system. Desalination, 2020, 477, 114267.	8.2	71
20	MXene-infused bioelectronic interfaces for multiscale electrophysiology and stimulation. Science Translational Medicine, 2021, 13, eabf8629.	12.4	68
21	Scalable Synthesis of Ultrathin Mn₃N₂ Exhibiting Roomâ€Temperature Antiferromagnetism. Advanced Functional Materials, 2019, 29, 1809001.	14.9	67
22	Additiveâ€Free Aqueous MXene Inks for Thermal Inkjet Printing on Textiles. Small, 2021, 17, .	10.0	61
23	Effect of Synthesis on Performance of MXene/Iron Oxide Anode Material for Lithium-Ion Batteries. Langmuir, 2018, 34, 11325-11334.	3.5	58
24	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. ACS Nano, 2021, 15, 15274-15284.	14.6	56
25	Evidence of a magnetic transition in atomically thin Cr₂TiC₂T_x MXene. Nanoscale Horizons, 2020, 5, 1557-1565.	8.0	51
26	Tunable electrochromic behavior of titanium-based MXenes. Nanoscale, 2020, 12, 14204-14212.	5.6	42
27	Distinguishing electronic contributions of surface and sub-surface transition metal atoms in Ti-based MXenes. 2D Materials, 2020, 7, 025015.	4.4	31
28	2D Titanium Carbide (Ti₃C₂T_x) in Accommodating Intraocular Lens Design. Advanced Functional Materials, 2020, 30, 2000841.	14.9	26
29	Multimodal Spectroscopic Study of Surface Termination Evolution in Cr₂TiC₂T_x MXene. Advanced Materials Interfaces, 2021, 8, 2001789.	3.7	22
30	Intercalationâ€Induced Reversible Electrochromic Behavior of Twoâ€Dimensional Ti₃C₂T_x MXene in Organic Electrolytes. ChemElectroChem, 2021, 8, 151-156.	3.4	21
31	Nâ€“p-Conductor Transition of Gas Sensing Behaviors in Mo₂CT_x MXene. ACS Sensors, 2022, 7, 2225-2234.	7.8	20
32	The charge density of intercalants inside layered birnessite manganese oxide nanosheets determining Zn-ion storage capability towards rechargeable Zn-ion batteries. Journal of Materials Chemistry A, 2022, 10, 5561-5568.	10.3	11
33	Direct Correlation of MXene Surface Chemistry and Electronic Properties. Microscopy and Microanalysis, 2018, 24, 1606-1607.	0.4	8
34	van der Waals epitaxy of highly (111)-oriented BaTiO3 on MXene. Nanoscale, 2019, 11, 622-630.	5.6	7
35	Spectroscopic signature of negative electronic compressibility from the Ti core-level of titanium carbonitride MXene. Applied Physics Reviews, 2021, 8, .	11.3	7
36	Termination-Property Coupling via Reversible Oxygen Functionalization of MXenes. ACS Nanoscience Au, 2022, 2, 433-439.	4.8	5

#	Article	IF	Citations
37	Impact of cationic molecular length of ionic liquid electrolytes on cell performance of 18650 supercapacitors. Chemical Communications, 2021, 57, 13712-13715.	4.1	3