

# Kanit Hantanasirisakul

## List of Publications by Year in descending order

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37  
papers

6,713  
citations

201674

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#	ARTICLE	IF	CITATIONS
1	The charge density of intercalants inside layered birnessite manganese oxide nanosheets determining Zn-ion storage capability towards rechargeable Zn-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 5561-5568.	10.3	11
2	Termination-Property Coupling via Reversible Oxygen Functionalization of MXenes. <i>ACS Nanoscience Au</i> , 2022, 2, 433-439.	4.8	5
3	N <sup>+</sup> -p-Conductor Transition of Gas Sensing Behaviors in Mo <sub>2</sub> CT <sub>x</sub> MXene. <i>ACS Sensors</i> , 2022, 7, 2225-2234.	7.8	20
4	Additive-Free Aqueous MXene Inks for Thermal Inkjet Printing on Textiles. <i>Small</i> , 2021, 17, .	10.0	61
5	Intercalation-Induced Reversible Electrochromic Behavior of Two-Dimensional Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene in Organic Electrolytes. <i>ChemElectroChem</i> , 2021, 8, 151-156.	3.4	21
6	Highly conductive and scalable Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -coated fabrics for efficient electromagnetic interference shielding. <i>Carbon</i> , 2021, 174, 382-389.	10.3	84
7	Modified MAX Phase Synthesis for Environmentally Stable and Highly Conductive Ti <sub>3</sub> C <sub>2</sub> MXene. <i>ACS Nano</i> , 2021, 15, 6420-6429.	14.6	417
8	Spectroscopic signature of negative electronic compressibility from the Ti core-level of titanium carbonitride MXene. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	7
9	Titanium Carbide MXene Shows an Electrochemical Anomaly in Water-in-Salt Electrolytes. <i>ACS Nano</i> , 2021, 15, 15274-15284.	14.6	56
10	MXene-infused bioelectronic interfaces for multiscale electrophysiology and stimulation. <i>Science Translational Medicine</i> , 2021, 13, eabf8629.	12.4	68
11	Multimodal Spectroscopic Study of Surface Termination Evolution in Cr <sub>2</sub> TiC <sub>2</sub> T <sub>x</sub> MXene. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001789.	3.7	22
12	Impact of cationic molecular length of ionic liquid electrolytes on cell performance of 18650 supercapacitors. <i>Chemical Communications</i> , 2021, 57, 13712-13715.	4.1	3
13	Distinguishing electronic contributions of surface and sub-surface transition metal atoms in Ti-based MXenes. <i>2D Materials</i> , 2020, 7, 025015.	4.4	31
14	Influence of operating conditions on the desalination performance of a symmetric pre-conditioned Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> -MXene membrane capacitive deionization system. <i>Desalination</i> , 2020, 477, 114267.	8.2	71
15	Synthesis of Mo <sub>4</sub> VAIC <sub>4</sub> MAX Phase and Two-Dimensional Mo <sub>4</sub> VC <sub>4</sub> MXene with Five Atomic Layers of Transition Metals. <i>ACS Nano</i> , 2020, 14, 204-217.	14.6	429
16	Evidence of a magnetic transition in atomically thin Cr <sub>2</sub> TiC <sub>2</sub> T <sub>x</sub> MXene. <i>Nanoscale Horizons</i> , 2020, 5, 1557-1565.	8.0	51
17	Anomalous absorption of electromagnetic waves by 2D transition metal carbonitride Ti <sub>3</sub> CNT <sub>x</sub> (MXene). <i>Science</i> , 2020, 369, 446-450.	12.6	844
18	Tailoring Electronic and Optical Properties of MXenes through Forming Solid Solutions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19110-19118.	13.7	198

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19	2D Titanium Carbide ( $\text{Ti}_3\text{C}_2\text{T}_x$ ) in Accommodating Intraocular Lens Design. <i>Advanced Functional Materials</i> , 2020, 30, 2000841.	14.9	26
20	Tunable electrochromic behavior of titanium-based MXenes. <i>Nanoscale</i> , 2020, 12, 14204-14212.	5.6	42
21	Synthesis and electrochemical properties of 2D molybdenum vanadium carbides "solid solution MXenes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8957-8968.	10.3	90
22	Surface Modification of a MXene by an Aminosilane Coupling Agent. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902008.	3.7	134
23	Interfacial Assembly of Ultrathin, Functional MXene Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 32320-32327.	8.0	91
24	van der Waals epitaxy of highly (111)-oriented $\text{BaTiO}_3$ on MXene. <i>Nanoscale</i> , 2019, 11, 622-630.	5.6	7
25	Control of MXenes'™ electronic properties through termination and intercalation. <i>Nature Communications</i> , 2019, 10, 522.	12.8	721
26	$\text{SnO}_2$ " $\text{Ti}_3\text{C}_2$ MXene electron transport layers for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5635-5642.	10.3	173
27	Effect of $\text{Ti}_3\text{AlC}_2$ MAX Phase on Structure and Properties of Resultant $\text{Ti}_3\text{C}_2\text{T}_x$ MXene. <i>ACS Applied Nano Materials</i> , 2019, 2, 3368-3376.	5.0	210
28	Anisotropic MXene Aerogels with a Mechanically Tunable Ratio of Electromagnetic Wave Reflection to Absorption. <i>Advanced Optical Materials</i> , 2019, 7, 1900267.	7.3	245
29	Scalable Synthesis of Ultrathin $\text{Mn}_3\text{N}_2$ Exhibiting Room-Temperature Antiferromagnetism. <i>Advanced Functional Materials</i> , 2019, 29, 1809001.	14.9	67
30	Electrochromic Effect in Titanium Carbide MXene Thin Films Produced by Dip-Coating. <i>Advanced Functional Materials</i> , 2019, 29, 1809223.	14.9	148
31	Effects of Synthesis and Processing on Optoelectronic Properties of Titanium Carbonitride MXene. <i>Chemistry of Materials</i> , 2019, 31, 2941-2951.	6.7	160
32	Surface Termination Dependent Work Function and Electronic Properties of $\text{Ti}_3\text{C}_2\text{T}_x$ MXene. <i>Chemistry of Materials</i> , 2019, 31, 6590-6597.	6.7	359
33	Electronic and Optical Properties of 2D Transition Metal Carbides and Nitrides (MXenes). <i>Advanced Materials</i> , 2018, 30, e1804779.	21.0	850
34	Effect of Synthesis on Performance of MXene/Iron Oxide Anode Material for Lithium-Ion Batteries. <i>Langmuir</i> , 2018, 34, 11325-11334.	3.5	58
35	Direct Correlation of MXene Surface Chemistry and Electronic Properties. <i>Microscopy and Microanalysis</i> , 2018, 24, 1606-1607.	0.4	8
36	2D molybdenum and vanadium nitrides synthesized by ammoniation of 2D transition metal carbides (MXenes). <i>Nanoscale</i> , 2017, 9, 17722-17730.	5.6	327

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37	Fabrication of $\text{Ti}_3\text{C}_2\text{T}_x$ MXene Transparent Thin Films with Tunable Optoelectronic Properties. <i>Advanced Electronic Materials</i> , 2016, 2, 1600050.	5.1	587