Yohan Dall'Agnese

List of Publications by Year
in descending order

34	9,310	236925 25	395702 33
papers	citations	h-index	g-index

34	34	34	8911
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cation Intercalation and High Volumetric Capacitance of Two-Dimensional Titanium Carbide. Science, 2013, 341, 1502-1505.	12.6	3,329
2	Intercalation and delamination of layered carbides and carbonitrides. Nature Communications, 2013, 4, 1716.	12.8	2,095
3	Prediction and Characterization of MXene Nanosheet Anodes for Non-Lithium-Ion Batteries. ACS Nano, 2014, 8, 9606-9615.	14.6	814
4	High capacitance of surface-modified 2D titanium carbide in acidic electrolyte. Electrochemistry Communications, 2014, 48, 118-122.	4.7	420
5	Two-Dimensional Vanadium Carbide (MXene) as Positive Electrode for Sodium-Ion Capacitors. Journal of Physical Chemistry Letters, 2015, 6, 2305-2309.	4.6	358
6	Capacitance of two-dimensional titanium carbide (MXene) and MXene/carbon nanotube composites in organic electrolytes. Journal of Power Sources, 2016, 306, 510-515.	7.8	245
7	g-C₃N₄/Ti₃C₂T_x (MXenes) composite with oxidized surface groups for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 9124-9131.	10.3	233
8	Two-dimensional vanadium carbide (V2C) MXene as electrode for supercapacitors with aqueous electrolytes. Electrochemistry Communications, 2018, 96, 103-107.	4.7	191
9	Revealing the Pseudoâ€Intercalation Charge Storage Mechanism of MXenes in Acidic Electrolyte. Advanced Functional Materials, 2019, 29, 1902953.	14.9	176
10	SnO₂â€“Ti₃C₂ MXene electron transport layers for perovskite solar cells. Journal of Materials Chemistry A, 2019, 7, 5635-5642.	10.3	173
11	2D MXenes as Co-catalysts in Photocatalysis: Synthetic Methods. Nano-Micro Letters, 2019, 11, 79.	27.0	160
12	Electrical and Elastic Properties of Individual Singleâ€Layer Nb₄C₃T_x MXene Flakes. Advanced Electronic Materials, 2020, 6, 1901382.	5.1	134
13	Surfaceâ€Modified Metallic Ti₃C₂T_x MXene as Electron Transport Layer for Planar Heterojunction Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1905694.	14.9	125
14	Electrochemical Actuators Based on Two-Dimensional Ti₃C₂T_x (MXene). Nano Letters, 2019, 19, 7443-7448.	9.1	108
15	Flexible Nb₄C₃T_x Film with Large Interlayer Spacing for Highâ€Performance Supercapacitors. Advanced Functional Materials, 2020, 30, 2000815.	14.9	92
16	Eosin Y-sensitized partially oxidized Ti₃C₂ MXene for photocatalytic hydrogen evolution. Catalysis Science and Technology, 2019, 9, 310-315.	4.1	83
17	Performance improvement of MXene-based perovskite solar cells upon property transition from metallic to semiconductive by oxidation of Ti₃C₂T_xin air. Journal of Materials Chemistry A, 2021, 9, 5016-5025.	10.3	77
18	Thermally Reduced Graphene/MXene Film for Enhanced Liâ€ion Storage. Chemistry - A European Journal, 2018, 24, 18556-18563.	3.3	65

#	Article	IF	Citations
19	Oxidized Ti₃C₂MXene nanosheets for dye-sensitized solar cells. New Journal of Chemistry, 2018, 42, 16446-16450.	2.8	60
20	Flexible MnSâ€“Carbon Fiber Hybrids for Lithiumâ€ion and Sodiumâ€ion Energy Storage. Chemistry - A European Journal, 2018, 24, 13535-13539.	3.3	58
21	Flexible freestanding all-MXene hybrid films with enhanced capacitive performance for powering a flex sensor. Journal of Materials Chemistry A, 2020, 8, 16649-16660.	10.3	50
22	Chlorosomeâ€Like Molecular Aggregation of Chlorophyll Derivative on Ti₃C₂T_x MXene Nanosheets for Efficient Noble Metalâ€Free Photocatalytic Hydrogen Evolution. Advanced Materials Interfaces, 2020, 7, 1902080.	3.7	49
23	Performance improvement of dye-sensitized double perovskite solar cells by adding Ti3C2T MXene. Chemical Engineering Journal, 2022, 446, 136963.	12.7	37
24	Electrochemical Interaction of Sn-Containing MAX Phase (Nb₂SnC) with Li-Ions. ACS Energy Letters, 2019, 4, 2452-2457.	17.4	36
25	Synergy of ferric vanadate and MXene for high performance Li- and Na-ion batteries. Chemical Engineering Journal, 2022, 436, 135012.	12.7	30
26	Chlorophyllâ€Based Organic Heterojunction on Ti₃C₂T_x MXene Nanosheets for Efficient Hydrogen Production. Chemistry - A European Journal, 2021, 27, 5277-5282.	3.3	25
27	Aggregate-forming semi-synthetic chlorophyll derivatives / Ti3C2T MXene hybrids for photocatalytic hydrogen evolution. Dyes and Pigments, 2021, 194, 109583.	3.7	21
28	Electrochemical Behavior of Ti₃C₂T_x MXene in Environmentally Friendly Methanesulfonic Acid Electrolyte. ChemSusChem, 2019, 12, 4480-4486.	6.8	19
29	Chlorophyll derivatives/MXene hybrids for photocatalytic hydrogen evolution: Dependence of performance on the central coordinating metals. International Journal of Hydrogen Energy, 2022, 47, 3824-3833.	7.1	14
30	Hybridization of SnO₂ and an In-Situ-Oxidized Ti₃C₂T_x MXene Electron Transport Bilayer for High-Performance Planar Perovskite Solar Cells. ACS Sustainable Chemistry and Engineering, 2021, 9, 13672-13680.	6.7	13
31	A synergistic Ti3C2T /PPy bilayer electrochemical actuator. Applied Surface Science, 2022, 583, 152403.	6.1	9
32	Electrospun Ti₃C₂T _x MXene and silicon embedded in carbon nanofibers for lithium-ion batteries. Journal Physics D: Applied Physics, 2022, 55, 204002.	2.8	6
33	Solution combustion synthesis of a nanometer-scale Co₃O₄ anode material for Li-ion batteries. Beilstein Journal of Nanotechnology, 2021, 12, 424-431.	2.8	5
34	Applications of MXenes and their composites in catalysis and photoelectrocatalysis. , 2022, , 449-498.		0