Taron Makaryan

List of Publications by Citations

23 papers	2,692 citations	13 h-index	30 g-index
30 ext. papers	3,281 ext. citations	6.4 avg, IF	5.13 L-index

#	Paper	IF	Citations
23	Synthesis of two-dimensional titanium nitride Ti4N3 (MXene). *Nanoscale*, **2016**, 8, 11385-91	7.7	487
22	Hollow MXene Spheres and 3D Macroporous MXene Frameworks for Na-Ion Storage. *Advanced Materials*, **2017**, 29, 1702410	24	465
21	MoS2 Nanosheets Vertically Aligned on Carbon Paper: A Freestanding Electrode for Highly Reversible Sodium-Ion Batteries. *Advanced Energy Materials*, **2016**, 6, 1502161	21.8	402
20	MoS -on-MXene Heterostructures as Highly Reversible Anode Materials for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2018**, 57, 1846-1850	16.4	375
19	Porous Two-Dimensional Transition Metal Carbide (MXene) Flakes for High-Performance Li-Ion Storage. *ChemElectroChem*, **2016**, 3, 689-693	4.3	298
18	One-step Solution Processing of Ag, Au and Pd@MXene Hybrids for SERS. *Scientific Reports*, **2016**, 6, 32049	4.9	200
17	Two-Dimensional Titanium Carbide (MXene) as Surface-Enhanced Raman Scattering Substrate. *Journal of Physical Chemistry C*, **2017**, 121, 19983-19988	3.8	179
16	Development of asymmetric supercapacitors with titanium carbide-reduced graphene oxide couples as electrodes. *Electrochimica Acta*, **2018**, 259, 752-761	6.7	71
15	MoS2-on-MXene Heterostructures as Highly Reversible Anode Materials for Lithium-Ion Batteries. *Angewandte Chemie*, **2018**, 130, 1864-1868	3.6	56
14	2D Titanium Carbide/Reduced Graphene Oxide Heterostructures for Supercapacitor Applications. *Batteries and Supercaps*, **2018**, 1, 33-38	5.6	52
13	Growth kinetics and growth mechanism of ultrahigh mass density carbon nanotube forests on conductive Ti/Cu supports. *ACS Applied Materials & Interfaces*, **2014**, 6, 15440-7	9.5	19
12	Strong dipole-quadrupole coupling and Fano resonance in H-like metallic nanostructures. *Optics Express*, **2014**, 22, 24516-29	3.3	15
11	Plasmonic nanostructures fabricated using nanosphere-lithography, soft-lithography and plasma etching. *Beilstein Journal of Nanotechnology*, **2011**, 2, 448-58	3	15
10	Carbon nanotube growth on conductors: Influence of the support structure and catalyst thickness. *Carbon*, **2014**, 73, 13-24	10.4	13
9	Hybrids of carbon nanotube forests and gold nanoparticles for improved surface plasmon manipulation. *ACS Applied Materials & Interfaces*, **2014**, 6, 5344-9	9.5	9
8	Effect of Oxygen Plasma Alumina Treatment on Growth of Carbon Nanotube Forests. *Journal of Physical Chemistry C*, **2014**, 118, 18683-18692	3.8	8
7	Comparison of carbon nanotube forest growth using AlSi, TiSiN, and TiN as conductive catalyst supports. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 2389-2393	1.3	6

6	Carbon nanotube forests as top electrode in electroacoustic resonators. *Applied Physics Letters*, **2015**, 107, 133106	3.4	6
5	Evaluation of bimetallic catalysts for the growth of carbon nanotube forests. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 2605-2610	1.3	5
4	Surface Plasmon Frequency Spectrum in a System of Two Spherical Dielectric Coated Metallic Nanoparticles. *Acta Physica Polonica A*, **2007**, 112, 1025-1029	0.6	4
3	Influence of interface on surface plasmon frequencies of metallic nanosphere. *Physica E: Low-Dimensional Systems and Nanostructures*, **2010**, 43, 134-137	3	2
2	Numerical simulations on longitudinal surface plasmons of coupled gold nanorods. *Journal of Contemporary Physics*, **2011**, 46, 111-115	0.5	1
1	Interband, Surface Plasmon and Fano Resonances in Titanium Carbide (MXene) Nanoparticles in the Visible to Infrared Range. *Photonics*, **2021**, 8, 36	2.2	1