

# Victor Vega-Mayoral

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,041  
citations

566801

15  
h-index

610482

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <i>ACS Nano</i> , 2016, 10, 1589-1601.	7.3	365
2	Liquid Exfoliated Co(OH) <sub>2</sub> Nanosheets as Low-Cost, Yet High-Performance, Catalysts for the Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2018, 8, 1702965.	10.2	92
3	Electroconductive Biohybrid Collagen/Pristine Graphene Composite Biomaterials with Enhanced Biological Activity. <i>Advanced Materials</i> , 2018, 30, e1706442.	11.1	81
4	Photoluminescence from Liquid-Exfoliated WS <sub>2</sub> Monomers in Poly(Vinyl Alcohol) Polymer Composites. <i>Advanced Functional Materials</i> , 2016, 26, 1028-1039.	7.8	73
5	Exciton and charge carrier dynamics in few-layer WS <sub>2</sub> . <i>Nanoscale</i> , 2016, 8, 5428-5434.	2.8	61
6	Solvent exfoliation stabilizes TiS <sub>2</sub> nanosheets against oxidation, facilitating lithium storage applications. <i>Nanoscale</i> , 2019, 11, 6206-6216.	2.8	44
7	Liquid phase exfoliation of MoO <sub>2</sub> nanosheets for lithium ion battery applications. <i>Nanoscale Advances</i> , 2019, 1, 1560-1570.	2.2	35
8	The Effect of Network Formation on the Mechanical Properties of 1D:2D Nano:Nano Composites. <i>Chemistry of Materials</i> , 2018, 30, 5245-5255.	3.2	33
9	Quantifying the Role of Nanotubes in Nano:Nano Composite Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2018, 8, 1702364.	10.2	33
10	Monolayer black phosphorus by sequential wet-chemical surface oxidation. <i>RSC Advances</i> , 2019, 9, 3570-3576.	1.7	28
11	Whiskey-phase exfoliation: exfoliation and printing of nanosheets using Irish whiskey. <i>2D Materials</i> , 2019, 6, 045036.	2.0	27
12	Liquid phase exfoliation of GeS nanosheets in ambient conditions for lithium ion battery applications. <i>2D Materials</i> , 2020, 7, 035015.	2.0	25
13	Charge trapping and coalescence dynamics in few layer MoS <sub>2</sub> . <i>2D Materials</i> , 2018, 5, 015011.	2.0	20
14	Unconventional electroabsorption in monolayer MoS <sub>2</sub> . <i>2D Materials</i> , 2017, 4, 021005.	2.0	19
15	Percolation Effects in Electrolytically Gated WS <sub>2</sub> /Graphene Nano:Nano Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8545-8555.	4.0	18
16	Optimising composite viscosity leads to high sensitivity electromechanical sensors. <i>2D Materials</i> , 2018, 5, 035042.	2.0	16
17	Covalent modification of franckeite with maleimides: connecting molecules and van der Waals heterostructures. <i>Nanoscale Horizons</i> , 2021, 6, 551-558.	4.1	14
18	Revealing the nature of excitons in liquid exfoliated monolayer tungsten disulphide. <i>Nanotechnology</i> , 2016, 27, 425701.	1.3	13

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19	Tuneable photoconductivity and mobility enhancement in printed MoS <sub>2</sub> /graphene composites. 2D Materials, 2017, 4, 041006.	2.0	13
20	Ultrafast nonequilibrium dynamics of strongly coupled resonances in the intrinsic cavity of $WS_2$ nanotubes. Physical Review Research, 2019, 1, .	1.3	11
21	Silica aerogels as hosting matrices for WS <sub>2</sub> nanotubes and their optical characterization. Journal of Materials Science, 2020, 55, 7612-7623.	1.7	8
22	Field-induced charge separation dynamics in monolayer MoS <sub>2</sub> . 2D Materials, 2017, 4, 035017.	2.0	6
23	Femtosecond spectroscopy on MoS <sub>2</sub> flakes from liquid exfoliation: surfactant independent exciton dynamics. Journal of Nanophotonics, 2015, 10, 012508.	0.4	5
24	Preparation of air-stable expandable MoS <sub>2</sub> and rapid expansion by low temperature heating and electron beam irradiation. Materials Letters, 2018, 218, 229-232.	1.3	1