

# Narendra Kurra

## List of Publications by Citations

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53  
papers

4,029  
citations

33  
h-index

54  
g-index

54  
ext. papers

5,062  
ext. citations

11.7  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
53	All Pseudocapacitive MXene-RuO <sub>2</sub> Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703043	21.8	459
52	All-MXene (2D titanium carbide) solid-state microsupercapacitors for on-chip energy storage. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2847-2854	35.4	428
51	Energy Storage Data Reporting in Perspective Guidelines for Interpreting the Performance of Electrochemical Energy Storage Systems. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1902007	21.8	349
50	MXene-on-Paper Coplanar Microsupercapacitors. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1601372	21.8	269
49	Asymmetric Flexible MXene-Reduced Graphene Oxide Micro-Supercapacitor. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700339	6.4	244
48	Conducting polymer micro-supercapacitors for flexible energy storage and Ac line-filtering. <i>Nano Energy</i> , <b>2015</b> , 13, 500-508	17.1	174
47	High-Temperature Behavior and Surface Chemistry of Carbide MXenes Studied by Thermal Analysis. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3324-3332	9.6	162
46	Pencil-on-paper: electronic devices. <i>Lab on A Chip</i> , <b>2013</b> , 13, 2866-73	7.2	151
45	Highly Efficient Laser Scribed Graphene Electrodes for On-Chip Electrochemical Sensing Applications. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600185	6.4	136
44	Bistacked Titanium Carbide (MXene) Anodes for Hybrid Sodium-Ion Capacitors. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2094-2100	20.1	103
43	All conducting polymer electrodes for asymmetric solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 7368-7374	13	87
42	Laser-derived graphene: A three-dimensional printed graphene electrode and its emerging applications. <i>Nano Today</i> , <b>2019</b> , 24, 81-102	17.9	86
41	Direct Writing of Additive-Free MXene-in-Water Ink for Electronics and Energy Storage. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800256	6.8	78
40	Ternary chalcogenide micro-pseudocapacitors for on-chip energy storage. <i>Chemical Communications</i> , <b>2015</b> , 51, 10494-7	5.8	72
39	Microfabricated Pseudocapacitors Using Ni(OH) <sub>2</sub> Electrodes Exhibit Remarkable Volumetric Capacitance and Energy Density. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1401303	21.8	72
38	Field effect transistors and RC filters from pencil-trace on paper. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8367-72	3.6	71
37	MXene-conducting polymer electrochromic microsupercapacitors. <i>Energy Storage Materials</i> , <b>2019</b> , 20, 455-461	19.4	69

36	Hybrid Microsupercapacitors with Vertically Scaled 3D Current Collectors Fabricated using a Simple Cut-and-Transfer Strategy. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601257	21.8	65
35	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17849-17855	16.4	64
34	On-Chip MXene Microsupercapacitors for AC-Line Filtering Applications. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901061	21.8	64
33	A general strategy for the fabrication of high performance microsupercapacitors. <i>Nano Energy</i> , <b>2015</b> , 16, 1-9	17.1	63
32	Automated Scalpel Patterning of Solution Processed Thin Films for Fabrication of Transparent MXene Microsupercapacitors. <i>Small</i> , <b>2018</b> , 14, e1802864	11	62
31	Highly Doped 3D Graphene Na-Ion Battery Anode by Laser Scribing Polyimide Films in Nitrogen Ambient. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800353	21.8	61
30	Bipolar carbide-carbon high voltage aqueous lithium-ion capacitors. <i>Nano Energy</i> , <b>2019</b> , 56, 151-159	17.1	50
29	Enhanced high temperature thermoelectric response of sulphuric acid treated conducting polymer thin films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 215-221	7.1	47
28	Low cost, rapid synthesis of graphene on Ni: An efficient barrier for corrosion and thermal oxidation. <i>Carbon</i> , <b>2014</b> , 78, 384-391	10.4	44
27	Marker Pen Lithography for Flexible and Curvilinear On-Chip Energy Storage. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4976-4984	15.6	43
26	Micro-Pseudocapacitors with Electroactive Polymer Electrodes: Toward AC-Line Filtering Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12748-55	9.5	42
25	Titanium Carbide (MXene) as a Current Collector for Lithium-Ion Batteries. <i>ACS Omega</i> , <b>2018</b> , 3, 12489-12494	13.9	41
24	A conducting polymer nucleation scheme for efficient solid-state supercapacitors on paper. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 17058-17065	13	37
23	Monolithic laser scribed graphene scaffolds with atomic layer deposited platinum for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20422-20427	13	37
22	A two-step annealing process for enhancing the ferroelectric properties of poly(vinylidene fluoride) (PVDF) devices. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2366-2370	7.1	36
21	Few layer graphene to graphitic films: infrared photoconductive versus bolometric response. <i>Nanoscale</i> , <b>2013</b> , 5, 381-9	7.7	35
20	Role of acid mixtures etching on the surface chemistry and sodium ion storage in TiCT MXene. <i>Chemical Communications</i> , <b>2020</b> , 56, 6090-6093	5.8	29
19	Nanocarbon-scanning probe microscopy synergy: fundamental aspects to nanoscale devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6147-63	9.5	25

18	Charge storage in mesoscopic graphitic islands fabricated using AFM bias lithography. <i>Nanotechnology</i> , <b>2011</b> , 22, 245302	3.4	24
17	Tunable electrochromic behavior of titanium-based MXenes. <i>Nanoscale</i> , <b>2020</b> , 12, 14204-14212	7.7	19
16	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18013-18019	3.6	17
15	Enhancement of Ti <sub>3</sub> C <sub>2</sub> MXene Pseudocapacitance after Urea Intercalation Studied by Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 5079-5086	3.8	17
14	Rational Design of Titanium Carbide MXene Electrode Architectures for Hybrid Capacitive Deionization. <i>Energy and Environmental Materials</i> , <b>2020</b> , 3, 398-404	13	13
13	Ultrafast Direct Ablative Patterning of HOPG by Single Laser Pulses to Produce Graphene Ribbons. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 3836-3842	15.6	12
12	Field effect transistors and photodetectors based on nanocrystalline graphene derived from electron beam induced carbonaceous patterns. <i>Nanotechnology</i> , <b>2012</b> , 23, 425301	3.4	12
11	Mapping (Pseudo)Capacitive Charge Storage Dynamics in Titanium Carbide MXene Electrodes in Aqueous Electrolytes Using 3D Bode Analysis. <i>Energy Storage Materials</i> , <b>2021</b> , 39, 347-353	19.4	12
10	Solution processed sun baked electrode material for flexible supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 20281-20289	3.7	10
9	Field-effect transistors based on thermally treated electron beam-induced carbonaceous patterns. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1030-6	9.5	10
8	Emerging MXene@Metal-Organic Framework Hybrids: Design Strategies toward Versatile Applications. <i>ACS Nano</i> , <b>2021</b> ,	16.7	10
7	Electrocondensation and evaporation of attoliter water droplets: Direct visualization using atomic force microscopy. <i>Nano Research</i> , <b>2010</b> , 3, 307-316	10	9
6	CNT manipulation: inserting a carbonaceous dielectric layer beneath using electron beam induced deposition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 1025-9	1.3	4
5	Interaction and dynamics of ambient water adlayers on graphite probed using AFM voltage nanolithography and electrostatic force microscopy. <i>Nanotechnology</i> , <b>2014</b> , 25, 155304	3.4	2
4	Tunable atomic force microscopy bias lithography on electron beam induced carbonaceous platforms. <i>AIP Advances</i> , <b>2013</b> , 3, 092108	1.5	2
3	Flexible Lithography: Marker Pen Lithography for Flexible and Curvilinear On-Chip Energy Storage (Adv. Funct. Mater. 31/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 5076-5076	15.6	1
2	Supercapacitors <b>2022</b> , 383-417		0
1	ELECTRON BEAM INDUCED CARBONACEOUS DEPOSITION AS A LOCAL DIELECTRIC FOR CNT CIRCUITS. <i>International Journal of Nanoscience</i> , <b>2011</b> , 10, 935-941	0.6	

