

Narendra Kurra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Supercapacitors 2022 , 383-417		0
52	Emerging MXene@Metal-Organic Framework Hybrids: Design Strategies toward Versatile Applications. <i>ACS Nano</i> , 2021 ,	16.7	10
51	Mapping (Pseudo)Capacitive Charge Storage Dynamics in Titanium Carbide MXene Electrodes in Aqueous Electrolytes Using 3D Bode Analysis. <i>Energy Storage Materials</i> , 2021 , 39, 347-353	19.4	12
50	Tunable electrochromic behavior of titanium-based MXenes. <i>Nanoscale</i> , 2020 , 12, 14204-14212	7.7	19
49	Enhancement of Ti ₃ C ₂ MXene Pseudocapacitance after Urea Intercalation Studied by Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5079-5086	3.8	17
48	Role of acid mixtures etching on the surface chemistry and sodium ion storage in TiCT MXene. <i>Chemical Communications</i> , 2020 , 56, 6090-6093	5.8	29
47	Rational Design of Titanium Carbide MXene Electrode Architectures for Hybrid Capacitive Deionization. <i>Energy and Environmental Materials</i> , 2020 , 3, 398-404	13	13
46	Energy Storage Data Reporting in Perspective: Guidelines for Interpreting the Performance of Electrochemical Energy Storage Systems. <i>Advanced Energy Materials</i> , 2019 , 9, 1902007	21.8	349
45	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. <i>Angewandte Chemie</i> , 2019 , 131, 18013-18019	3.6	17
44	Tuning the Electrochemical Performance of Titanium Carbide MXene by Controllable In Situ Anodic Oxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17849-17855	16.4	64
43	On-Chip MXene Microsupercapacitors for AC-Line Filtering Applications. <i>Advanced Energy Materials</i> , 2019 , 9, 1901061	21.8	64
42	MXene-conducting polymer electrochromic microsupercapacitors. <i>Energy Storage Materials</i> , 2019 , 20, 455-461	19.4	69
41	High-Temperature Behavior and Surface Chemistry of Carbide MXenes Studied by Thermal Analysis. <i>Chemistry of Materials</i> , 2019 , 31, 3324-3332	9.6	162
40	Direct Writing of Additive-Free MXene-in-Water Ink for Electronics and Energy Storage. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800256	6.8	78
39	Laser-derived graphene: A three-dimensional printed graphene electrode and its emerging applications. <i>Nano Today</i> , 2019 , 24, 81-102	17.9	86
38	Bipolar carbide-carbon high voltage aqueous lithium-ion capacitors. <i>Nano Energy</i> , 2019 , 56, 151-159	17.1	50
37	All Pseudocapacitive MXene-RuO ₂ Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2018 , 8, 1703043	21.8	459

36	Bistacked Titanium Carbide (MXene) Anodes for Hybrid Sodium-Ion Capacitors. <i>ACS Energy Letters</i> , 2018 , 3, 2094-2100	20.1	103
35	Asymmetric Flexible MXene-Reduced Graphene Oxide Micro-Supercapacitor. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700339	6.4	244
34	Automated Scalpel Patterning of Solution Processed Thin Films for Fabrication of Transparent MXene Microsupercapacitors. <i>Small</i> , 2018 , 14, e1802864	11	62
33	Titanium Carbide (MXene) as a Current Collector for Lithium-Ion Batteries. <i>ACS Omega</i> , 2018 , 3, 12489-12494	3.9	41
32	Highly Doped 3D Graphene Na-Ion Battery Anode by Laser Scribing Polyimide Films in Nitrogen Ambient. <i>Advanced Energy Materials</i> , 2018 , 8, 1800353	21.8	61
31	Monolithic laser scribed graphene scaffolds with atomic layer deposited platinum for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20422-20427	13	37
30	Hybrid Microsupercapacitors with Vertically Scaled 3D Current Collectors Fabricated using a Simple Cut-and-Transfer Strategy. <i>Advanced Energy Materials</i> , 2017 , 7, 1601257	21.8	65
29	Highly Efficient Laser Scribed Graphene Electrodes for On-Chip Electrochemical Sensing Applications. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600185	6.4	136
28	Enhanced high temperature thermoelectric response of sulphuric acid treated conducting polymer thin films. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 215-221	7.1	47
27	Micro-Pseudocapacitors with Electroactive Polymer Electrodes: Toward AC-Line Filtering Applications. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12748-55	9.5	42
26	MXene-on-Paper Coplanar Microsupercapacitors. <i>Advanced Energy Materials</i> , 2016 , 6, 1601372	21.8	269
25	All-MXene (2D titanium carbide) solid-state microsupercapacitors for on-chip energy storage. <i>Energy and Environmental Science</i> , 2016 , 9, 2847-2854	35.4	428
24	A general strategy for the fabrication of high performance microsupercapacitors. <i>Nano Energy</i> , 2015 , 16, 1-9	17.1	63
23	Ternary chalcogenide micro-pseudocapacitors for on-chip energy storage. <i>Chemical Communications</i> , 2015 , 51, 10494-7	5.8	72
22	Conducting polymer micro-supercapacitors for flexible energy storage and Ac line-filtering. <i>Nano Energy</i> , 2015 , 13, 500-508	17.1	174
21	Microfabricated Pseudocapacitors Using Ni(OH) ₂ Electrodes Exhibit Remarkable Volumetric Capacitance and Energy Density. <i>Advanced Energy Materials</i> , 2015 , 5, 1401303	21.8	72
20	Marker Pen Lithography for Flexible and Curvilinear On-Chip Energy Storage. <i>Advanced Functional Materials</i> , 2015 , 25, 4976-4984	15.6	43
19	Flexible Lithography: Marker Pen Lithography for Flexible and Curvilinear On-Chip Energy Storage (Adv. Funct. Mater. 31/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 5076-5076	15.6	1

18	A two-step annealing process for enhancing the ferroelectric properties of poly(vinylidene fluoride) (PVDF) devices. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 2366-2370	7.1	36
17	All conducting polymer electrodes for asymmetric solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7368-7374	13	87
16	Interaction and dynamics of ambient water adlayers on graphite probed using AFM voltage nanolithography and electrostatic force microscopy. <i>Nanotechnology</i> , 2014 , 25, 155304	3.4	2
15	A conducting polymer nucleation scheme for efficient solid-state supercapacitors on paper. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17058-17065	13	37
14	Nanocarbon-scanning probe microscopy synergy: fundamental aspects to nanoscale devices. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6147-63	9.5	25
13	Solution processed sun baked electrode material for flexible supercapacitors. <i>RSC Advances</i> , 2014 , 4, 20281-20289	3.7	10
12	Low cost, rapid synthesis of graphene on Ni: An efficient barrier for corrosion and thermal oxidation. <i>Carbon</i> , 2014 , 78, 384-391	10.4	44
11	Few layer graphene to graphitic films: infrared photoconductive versus bolometric response. <i>Nanoscale</i> , 2013 , 5, 381-9	7.7	35
10	Field effect transistors and RC filters from pencil-trace on paper. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 8367-72	3.6	71
9	Pencil-on-paper: electronic devices. <i>Lab on A Chip</i> , 2013 , 13, 2866-73	7.2	151
8	Tunable atomic force microscopy bias lithography on electron beam induced carbonaceous platforms. <i>AIP Advances</i> , 2013 , 3, 092108	1.5	2
7	Field-effect transistors based on thermally treated electron beam-induced carbonaceous patterns. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1030-6	9.5	10
6	Field effect transistors and photodetectors based on nanocrystalline graphene derived from electron beam induced carbonaceous patterns. <i>Nanotechnology</i> , 2012 , 23, 425301	3.4	12
5	Charge storage in mesoscopic graphitic islands fabricated using AFM bias lithography. <i>Nanotechnology</i> , 2011 , 22, 245302	3.4	24
4	CNT manipulation: inserting a carbonaceous dielectric layer beneath using electron beam induced deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 1025-9	1.3	4
3	Ultrafast Direct Ablative Patterning of HOPG by Single Laser Pulses to Produce Graphene Ribbons. <i>Advanced Functional Materials</i> , 2011 , 21, 3836-3842	15.6	12
2	ELECTRON BEAM INDUCED CARBONACEOUS DEPOSITION AS A LOCAL DIELECTRIC FOR CNT CIRCUITS. <i>International Journal of Nanoscience</i> , 2011 , 10, 935-941	0.6	
1	Electrocondensation and evaporation of attoliter water droplets: Direct visualization using atomic force microscopy. <i>Nano Research</i> , 2010 , 3, 307-316	10	9

