

Manmatha Mahato

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

709
citations

687363

13
h-index

610901

24
g-index

33
all docs

33
docs citations

33
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Collectively Exhaustive MXene and Graphene Oxide Multilayer for Suppressing Shuttling Effect in Flexible Lithium Sulfur Battery. <i>Advanced Materials Technologies</i> , 2022, 7, 2101025.	5.8	14
2	Electronically Conjugated Multifunctional Covalent Triazine Framework for Unprecedented CO ₂ Selectivity and High Power Flexible Supercapacitor. <i>Advanced Functional Materials</i> , 2022, 32, 2107442.	14.9	24
3	Micro-structured porous electrolytes for highly responsive ionic soft actuators. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131006.	7.8	14
4	Cooling Accelerated Nanowire Nitinol Hybrid Muscle for Versatile Prosthetic Hand and Biomimetic Retractable Claw. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	13
5	Cooling Accelerated Nanowire Nitinol Hybrid Muscle for Versatile Prosthetic Hand and Biomimetic Retractable Claw (<i>Adv. Funct. Mater.</i> 18/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	0
6	A Dual Responsive Magnetoactive and Electro Ionic Soft Actuator Derived from a Nickel Based Metal Organic Framework. <i>Advanced Materials</i> , 2022, 34, .	21.0	14
7	Oxide-based self-cleaning and corrosion protective coatings. , 2021, , 135-173.		1
8	Skin-attachable motion sensor based on triboelectric nanogenerator with Chitosan-Diatom composite film. , 2021, , .		0
9	An advanced measurement technique for tracing ions TM movement through electroactive polymers. , 2021, , .		0
10	Asynchronous Double Schiff Base Formation of Pyrazole Porous Polymers for Selective Pd Recovery. <i>Advanced Science</i> , 2021, 8, 2001676.	11.2	21
11	Electroactive artificial muscles: a constructive approach towards real-field soft robotics. , 2021, , .		0
12	Diatom Bio-Silica and Cellulose Nanofibril for Bio-Triboelectric Nanogenerators and Self-Powered Breath Monitoring Masks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 219-232.	8.0	68
13	Electro Active and Photo Active Vanadium Oxide Nanowire Thermo Hygroscopic Actuators for Kirigami Pop. <i>Advanced Science</i> , 2021, 8, e2102064.	11.2	10
14	Mutually exclusive ytterbium and nitrogen co-doping of mesoporous titania-carbon for self-cleanable and sustainable triboelectric nanogenerators. <i>Nano Energy</i> , 2021, 90, 106615.	16.0	10
15	Sulfur and Nitrogen Rich Porous Conjugated COFs as Stable Electrode Materials for Electro Ionic Soft Actuators. <i>Advanced Functional Materials</i> , 2020, 30, 2003863.	14.9	30
16	CTF-based soft touch actuator for playing electronic piano. <i>Nature Communications</i> , 2020, 11, 5358.	12.8	54
17	A dual-ion accepting vanadium carbide nanowire cathode integrated with carbon cloths for high cycling stability. <i>Nanoscale</i> , 2020, 12, 20868-20874.	5.6	10
18	Skin-attachable and biofriendly chitosan-diatom triboelectric nanogenerator. <i>Nano Energy</i> , 2020, 75, 104904.	16.0	105

#	ARTICLE	IF	CITATIONS
19	Stimuli-Responsive MXene-Based Actuators. <i>Advanced Functional Materials</i> , 2020, 30, 1909504.	14.9	126
20	Intertwined Nanosponge Solid-State Polymer Electrolyte for Rollable and Foldable Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11657-11668.	8.0	22
21	Graphene Mesh for Self-Sensing Ionic Soft Actuator Inspired from Mechanoreceptors in Human Body. <i>Advanced Science</i> , 2019, 6, 1901711.	11.2	29
22	Development of magnetically separable mesoporous N doped TiO ₂ -SiO ₂ coated Fe ₃ O ₄ nanomaterial as solar photocatalyst for environmental application. <i>Materials Research Express</i> , 2019, 6, 105544.	1.6	2
23	Poly(N-(1,2,4-triazol-4-yl)acrylamide) with different ratio of poly(vinyl chloride) composite membrane for liquid phase sensing of alcohol. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	1
24	Monitoring of drinking water quality: a preliminary approach by an electronic tongue based on functionalized polymer membrane electrodes. <i>Analytical Methods</i> , 2017, 9, 6019-6031.	2.7	6
25	Vapor phase sensing response of doped polyaniline-poly (vinyl alcohol) composite membrane to different aliphatic alcohols. <i>Synthetic Metals</i> , 2016, 220, 410-420.	3.9	8
26	Development of novel polymeric sensors for taste sensing: Electronic tongue. , 2013, , .		4
27	Taste sensing with HDTC modified polyvinyl alcohol-polyacrylic acid membrane. , 2012, , .		2
28	Discrimination of tea quality by polymer membrane electrode based potentiometric taste sensor. , 2012, , .		4
29	Polymer membrane electrode based potentiometric taste sensor: A new sensor to distinguish five basic tastes. , 2012, , .		5
30	Synthesis and photocatalytic activity of mesoporous cerium doped TiO ₂ as visible light sensitive photocatalyst. <i>Materials Research Bulletin</i> , 2012, 47, 179-183.	5.2	64
31	A mesoporous WN co-doped titania nanomaterial with enhanced photocatalytic aqueous nitrate removal activity under visible light. <i>Catalysis Science and Technology</i> , 2011, 1, 609.	4.1	41