

Dorna Esrafilzadeh

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.

34
papers

2,272
citations

22
h-index

40
g-index

40
ext. papers

2,838
ext. citations

14
avg, IF

4.87
L-index

#	Paper	IF	Citations
34	Induction heating for the removal of liquid metal-based implant mimics: A proof-of-concept. <i>Applied Materials Today</i> , 2022 , 27, 101459	6.6	0
33	Liquid-Metal-Enabled Mechanical-Energy-Induced CO Conversion. <i>Advanced Materials</i> , 2021 , e2105789	24	7
32	Polydopamine Shell as a Ga Reservoir for Triggering Gallium-Indium Phase Separation in Eutectic Gallium-Indium Nanoalloys. <i>ACS Nano</i> , 2021 , 15, 16839-16850	16.7	8
31	Liquid-Metal-Assisted Deposition and Patterning of Molybdenum Dioxide at Low Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	6
30	Liquid Crystal-Mediated 3D Printing Process to Fabricate Nano-Ordered Layered Structures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28627-28638	9.5	2
29	Polyphenol-Induced Adhesive Liquid Metal Inks for Substrate-Independent Direct Pen Writing. <i>Advanced Functional Materials</i> , 2021 , 31, 2007336	15.6	37
28	Nucleation and Growth of Polyaniline Nanofibers onto Liquid Metal Nanoparticles. <i>Chemistry of Materials</i> , 2020 , 32, 4808-4819	9.6	30
27	Liquid-Metal-Templated Synthesis of 2D Graphitic Materials at Room Temperature. <i>Advanced Materials</i> , 2020 , 32, e2001997	24	44
26	3D textile structures with integrated electroactive electrodes for wearable electrochemical sensors. <i>Journal of the Textile Institute</i> , 2020 , 111, 1587-1595	1.5	6
25	Flexible two-dimensional indium tin oxide fabricated using a liquid metal printing technique. <i>Nature Electronics</i> , 2020 , 3, 51-58	28.4	73
24	Antibacterial Liquid Metals: Biofilm Treatment Magnetic Activation. <i>ACS Nano</i> , 2020 , 14, 802-817	16.7	83
23	Pulsing Liquid Alloys for Nanomaterials Synthesis. <i>ACS Nano</i> , 2020 , 14, 14070-14079	16.7	31
22	Liquid Metal Droplet and Graphene Co-Fillers for Electrically Conductive Flexible Composites. <i>Small</i> , 2020 , 16, e1903753	11	53
21	High-Performance Graphene-Fiber-Based Neural Recording Microelectrodes. <i>Advanced Materials</i> , 2019 , 31, e1805867	24	72
20	Room temperature CO reduction to solid carbon species on liquid metals featuring atomically thin ceria interfaces. <i>Nature Communications</i> , 2019 , 10, 865	17.4	100
19	Wafer-Sized Ultrathin Gallium and Indium Nitride Nanosheets through the Ammonolysis of Liquid Metal Derived Oxides. <i>Journal of the American Chemical Society</i> , 2019 , 141, 104-108	16.4	62
18	Liquid metals: fundamentals and applications in chemistry. <i>Chemical Society Reviews</i> , 2018 , 47, 4073-4111	38.5	432

17	Exfoliation Behavior of van der Waals Strings: Case Study of BiS. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42603-42611	9.5	23
16	Silicon as a ubiquitous contaminant in graphene derivatives with significant impact on device performance. <i>Nature Communications</i> , 2018 , 9, 5070	17.4	28
15	Electrical Stimulation with a Conductive Polymer Promotes Neurite Outgrowth and Synaptogenesis in Primary Cortical Neurons in 3D. <i>Scientific Reports</i> , 2018 , 8, 9855	4.9	22
14	Electrical Stimulation Using Conductive Polymer Polypyrrole Counters Reduced Neurite Outgrowth of Primary Prefrontal Cortical Neurons from NRG1-KO and DISC1-LI Mice. <i>Scientific Reports</i> , 2017 , 7, 42525	4.9	21
13	High-Performance Multifunctional Graphene-PLGA Fibers: Toward Biomimetic and Conducting 3D Scaffolds. <i>Advanced Functional Materials</i> , 2016 , 26, 3105-3117	15.6	38
12	A novel and facile approach to fabricate a conductive and biomimetic fibrous platform with sub-micron and micron features. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1056-1063	7.3	9
11	Conductive composite fibres from reduced graphene oxide and polypyrrole nanoparticles. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1142-1149	7.3	28
10	From nanoparticles to fibres: effect of dispersion composition on fibre properties. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	2
9	High-performance multifunctional graphene yarns: toward wearable all-carbon energy storage textiles. <i>ACS Nano</i> , 2014 , 8, 2456-66	16.7	290
8	Formation and processability of liquid crystalline dispersions of graphene oxide. <i>Materials Horizons</i> , 2014 , 1, 87-91	14.4	95
7	Graphene Oxide: Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles (Adv. Funct. Mater. 43/2013). <i>Advanced Functional Materials</i> , 2013 , 23, 5344-5344	15.6	5
6	Organic solvent-based graphene oxide liquid crystals: a facile route toward the next generation of self-assembled layer-by-layer multifunctional 3D architectures. <i>ACS Nano</i> , 2013 , 7, 3981-90	16.7	191
5	Multifunctional conducting fibres with electrically controlled release of ciprofloxacin. <i>Journal of Controlled Release</i> , 2013 , 169, 313-20	11.7	95
4	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. <i>Advanced Functional Materials</i> , 2013 , 23, 5345-5354	15.6	303
3	An investigation on the stabilization of special polyacrylonitrile nanofibers as carbon or activated carbon nanofiber precursor. <i>Synthetic Metals</i> , 2009 , 159, 267-272	3.6	33
2	Crystalline order and mechanical properties of as-electrospun and post-treated bundles of uniaxially aligned polyacrylonitrile nanofiber. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3014-3022	2.9	21
1	Gallium-Based Liquid Metal Reaction Media for Interfacial Precipitation of Bismuth Nanomaterials with Controlled Phases and Morphologies. <i>Advanced Functional Materials</i> , 2108673	15.6	10