

Shayan Seyedin

List of Publications by Year in Descending Order

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Version: 2024-04-11

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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.

44 papers	2,821 citations	28 h-index	47 g-index
47 ext. papers	3,607 ext. citations	8.6 avg, IF	5.56 L-index

#	Paper	IF	Citations
44	Molecularly Imprinted Polymer Nanoparticles Enable Rapid, Reliable, and Robust Point-of-Care Thermal Detection of SARS-CoV-2.. <i>ACS Sensors</i> , 2022 ,	9.2	4
43	Reinforcing potential of recycled carbon fibers in compatibilized polypropylene composites. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	4
42	Mechanical properties and foaming behavior of polypropylene/elastomer/recycled carbon fiber composites. <i>Polymer Composites</i> , 2021 , 42, 3482-3492	3	7
41	Fibre electronics: towards scaled-up manufacturing of integrated e-textile systems. <i>Nanoscale</i> , 2021 , 13, 12818-12847	7.7	9
40	Development and Applications of MXene-Based Functional Fibers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36655-36669	9.5	19
39	Bath Electrospinning of Continuous and Scalable Multifunctional MXene-Infiltrated Nanoyarns. <i>Small</i> , 2020 , 16, e2002158	11	38
38	MXene Films: Scalable Manufacturing of Free-Standing, Strong Ti ₃ C ₂ T _x MXene Films with Outstanding Conductivity (Adv. Mater. 23/2020). <i>Advanced Materials</i> , 2020 , 32, 2070180	24	3
37	Additive-Free MXene Liquid Crystals and Fibers. <i>ACS Central Science</i> , 2020 , 6, 254-265	16.8	73
36	MXene Composite and Coaxial Fibers with High Stretchability and Conductivity for Wearable Strain Sensing Textiles. <i>Advanced Functional Materials</i> , 2020 , 30, 1910504	15.6	147
35	Downsizing metal-organic frameworks by bottom-up and top-down methods. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	47
34	Scalable Manufacturing of Free-Standing, Strong Ti C T MXene Films with Outstanding Conductivity. <i>Advanced Materials</i> , 2020 , 32, e2001093	24	268
33	Knittable and Washable Multifunctional MXene-Coated Cellulose Yarns. <i>Advanced Functional Materials</i> , 2019 , 29, 1905015	15.6	121
32	Textile strain sensors: a review of the fabrication technologies, performance evaluation and applications. <i>Materials Horizons</i> , 2019 , 6, 219-249	14.4	193
31	Two-dimensional oligoglycine tectomer adhesives for graphene oxide fiber functionalization. <i>Carbon</i> , 2019 , 147, 460-475	10.4	2
30	Nanogrooved carbon microtubes for wet three-dimensional printing of conductive composite structures. <i>Polymer International</i> , 2019 , 68, 922-928	3.3	2
29	Facile Solution Processing of Stable MXene Dispersions towards Conductive Composite Fibers. <i>Global Challenges</i> , 2019 , 3, 1900037	4.3	38
28	Fast and scalable wet-spinning of highly conductive PEDOT:PSS fibers enables versatile applications. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6401-6410	13	85

27	Highly Conductive Ti C T MXene Hybrid Fibers for Flexible and Elastic Fiber-Shaped Supercapacitors. <i>Small</i> , 2019 , 15, e1804732	11	98
26	Data on kilometer scale production of stretchable conductive multifilaments enables knitting wearable strain sensing textiles. <i>Data in Brief</i> , 2018 , 18, 1765-1772	1.2	10
25	Development of Graphene Oxide/Polyaniline Inks for High Performance Flexible Microsupercapacitors via Extrusion Printing. <i>Advanced Functional Materials</i> , 2018 , 28, 1706592	15.6	112
24	Continuous production of stretchable conductive multifilaments in kilometer scale enables facile knitting of wearable strain sensing textiles. <i>Applied Materials Today</i> , 2018 , 11, 255-263	6.6	40
23	Supercapacitors: Development of Graphene Oxide/Polyaniline Inks for High Performance Flexible Microsupercapacitors via Extrusion Printing (Adv. Funct. Mater. 21/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870142	15.6	18
22	High-Performance Biscrolled MXene/Carbon Nanotube Yarn Supercapacitors. <i>Small</i> , 2018 , 14, e1802225	11	114
21	Elastic Fiber Supercapacitors for Wearable Energy Storage. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800103	4.8	21
20	Tunable photocatalytic selectivity of TiO ₂ /SiO ₂ nanocomposites: Effect of silica and isolation approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 552, 130-141	5.1	31
19	Multifunctional, biocompatible and pH-responsive carbon nanotube- and graphene oxide/tectomer hybrid composites and coatings. <i>Nanoscale</i> , 2017 , 9, 7791-7804	7.7	14
18	Liquid Crystals of Graphene Oxide: A Route Towards Solution-Based Processing and Applications. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600396	3.1	14
17	MXene: a potential candidate for yarn supercapacitors. <i>Nanoscale</i> , 2017 , 9, 18604-18608	7.7	81
16	Knittable energy storing fiber with high volumetric performance made from predominantly MXene nanosheets. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24076-24082	13	126
15	A facile approach to spinning multifunctional conductive elastomer fibres with nanocarbon fillers. <i>Smart Materials and Structures</i> , 2016 , 25, 035015	3.4	33
14	Compositional Effects of Large Graphene Oxide Sheets on the Spinnability and Properties of Polyurethane Composite Fibers. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500672	4.6	30
13	Knitted Strain Sensor Textiles of Highly Conductive All-Polymeric Fibers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21150-8	9.5	204
12	Achieving Outstanding Mechanical Performance in Reinforced Elastomeric Composite Fibers Using Large Sheets of Graphene Oxide. <i>Advanced Functional Materials</i> , 2015 , 25, 94-104	15.6	81
11	Towards the Knittability of Graphene Oxide Fibres. <i>Scientific Reports</i> , 2015 , 5, 14946	4.9	53
10	High-Performance Flexible All-Solid-State Supercapacitor from Large Free-Standing Graphene-PEDOT/PSS Films. <i>Scientific Reports</i> , 2015 , 5, 17045	4.9	195

9	Strain-Responsive Polyurethane/PEDOT:PSS Elastomeric Composite Fibers with High Electrical Conductivity. <i>Advanced Functional Materials</i> , 2014 , 24, 2957-2966	15.6	193
8	Enhancement of neural cell lines proliferation using nano-structured chitosan/poly(vinyl alcohol) scaffolds conjugated with nerve growth factor. <i>Carbohydrate Polymers</i> , 2011 , 86, 526-535	10.3	54
7	A new approach for optimization of electrospun nanofiber formation process. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 340-354	2.8	58
6	Application of direct tracking method for measuring electrospun nanofiber diameter. <i>Brazilian Journal of Chemical Engineering</i> , 2009 , 26, 53-62	1.7	34
5	Measuring Electrospun Nanofibre Diameter: a Novel Approach. <i>Chinese Physics Letters</i> , 2008 , 25, 3071-3074	0.7	7
4	Distance transform algorithm for measuring nanofiber diameter. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 905-918	2.8	24
3	Simulated image of electrospun nonwoven web of PVA and corresponding nanofiber diameter distribution. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 919-922	2.8	16
2	Evaluation of electrospun nanofiber pore structure parameters. <i>Korean Journal of Chemical Engineering</i> , 2008 , 25, 923-932	2.8	64
1	A New Image Analysis Based Method for Measuring Electrospun Nanofiber Diameter. <i>Nanoscale Research Letters</i> , 2007 , 2, 597-600	5	30