

Tural Khudiyev

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.

25
papers

842
citations

16
h-index

28
g-index

28
ext. papers

1,115
ext. citations

16.5
avg, IF

4.29
L-index

#	Paper	IF	Citations
25	Single fibre enables acoustic fabrics via nanometre-scale vibrations.. <i>Nature</i> , 2022 ,	50.4	25
24	Thermally drawn rechargeable battery fiber enables pervasive power. <i>Materials Today</i> , 2021 ,	21.8	6
23	Digital electronics in fibres enable fabric-based machine-learning inference. <i>Nature Communications</i> , 2021 , 12, 3317	17.4	17
22	Customizing MRI-Compatible Multifunctional Neural Interfaces through Fiber Drawing.. <i>Advanced Functional Materials</i> , 2021 , 31, 2104857	15.6	7
21	100 m Long Thermally Drawn Supercapacitor Fibers with Applications to 3D Printing and Textiles. <i>Advanced Materials</i> , 2020 , 32, e2004971	24	37
20	In situ electrochemical generation of nitric oxide for neuronal modulation. <i>Nature Nanotechnology</i> , 2020 , 15, 690-697	28.7	33
19	Computing Fabrics. <i>Matter</i> , 2020 , 2, 786-788	12.7	12
18	Recent Progress and Perspectives of Thermally Drawn Multimaterial Fiber Electronics. <i>Advanced Materials</i> , 2020 , 32, e1904911	24	70
17	Structured multimaterial filaments for 3D printing of optoelectronics. <i>Nature Communications</i> , 2019 , 10, 4010	17.4	46
16	Diode fibres for fabric-based optical communications. <i>Nature</i> , 2018 , 560, 214-218	50.4	143
15	Microfluidics in structured multimaterial fibers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10830-E10838	11.5	21
14	Surface Patterning: Sub-Micrometer Surface-Patterned Ribbon Fibers and Textiles (Adv. Mater. 22/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
13	Sub-Micrometer Surface-Patterned Ribbon Fibers and Textiles. <i>Advanced Materials</i> , 2017 , 29, 1605868	24	22
12	Electrostrictive microelectromechanical fibres and textiles. <i>Nature Communications</i> , 2017 , 8, 1435	17.4	36
11	Nanosprings harvest light more efficiently. <i>Applied Optics</i> , 2015 , 54, 8018-23	0.2	8
10	Biomimicry of multifunctional nanostructures in the neck feathers of mallard (<i>Anas platyrhynchos</i> L.) drakes. <i>Scientific Reports</i> , 2014 , 4, 4718	4.9	22
9	Non-resonant Mie scattering: emergent optical properties of core-shell polymer nanowires. <i>Scientific Reports</i> , 2014 , 4, 4607	4.9	15

8	Tailoring self-organized nanostructured morphologies in kilometer-long polymer fiber. <i>Scientific Reports</i> , 2014 , 4, 4864	4.9	8
7	Anemone-like nanostructures for non-lithographic, reproducible, large-area, and ultra-sensitive SERS substrates. <i>Nanoscale</i> , 2014 , 6, 12710-7	7.7	15
6	Superenhancers: novel opportunities for nanowire optoelectronics. <i>Scientific Reports</i> , 2014 , 4, 7505	4.9	13
5	Soft biomimetic tapered nanostructures for large-area antireflective surfaces and SERS sensing. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7842	7.1	39
4	Superhydrophobic and omnidirectional antireflective surfaces from nanostructured ormosil colloids. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 853-60	9.5	63
3	Structural coloring in large scale core-shell nanowires. <i>Nano Letters</i> , 2011 , 11, 4661-5	11.5	29
2	Arrays of indefinitely long uniform nanowires and nanotubes. <i>Nature Materials</i> , 2011 , 10, 494-501	27	122
1	Room temperature large-area nanoimprinting for broadband biomimetic antireflection surfaces. <i>Applied Physics Letters</i> , 2011 , 99, 183107	3.4	32