Tural Khudiyev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3624315/publications.pdf

Version: 2024-02-01

26	1,412	430442	552369
papers	citations	18 h-index	26 g-index

28	28	28	2017
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diode fibres for fabric-based optical communications. Nature, 2018, 560, 214-218.	13.7	228
2	Single fibre enables acoustic fabrics via nanometre-scale vibrations. Nature, 2022, 603, 616-623.	13.7	147
3	Arrays of indefinitely long uniform nanowires and nanotubes. Nature Materials, 2011, 10, 494-501.	13.3	143
4	Recent Progress and Perspectives of Thermally Drawn Multimaterial Fiber Electronics. Advanced Materials, 2020, 32, e1904911.	11.1	143
5	Digital electronics in fibres enable fabric-based machine-learning inference. Nature Communications, 2021, 12, 3317.	5.8	81
6	Structured multimaterial filaments for 3D printing of optoelectronics. Nature Communications, 2019, 10, 4010.	5.8	74
7	Superhydrophobic and Omnidirectional Antireflective Surfaces from Nanostructured Ormosil Colloids. ACS Applied Materials & Interfaces, 2013, 5, 853-860.	4.0	70
8	100 m Long Thermally Drawn Supercapacitor Fibers with Applications to 3D Printing and Textiles. Advanced Materials, 2020, 32, e2004971.	11.1	68
9	In situ electrochemical generation of nitric oxide for neuronal modulation. Nature Nanotechnology, 2020, 15, 690-697.	15.6	58
10	Electrostrictive microelectromechanical fibres and textiles. Nature Communications, 2017, 8, 1435.	5.8	51
11	Soft biomimetic tapered nanostructures for large-area antireflective surfaces and SERS sensing. Journal of Materials Chemistry C, 2013, 1, 7842.	2.7	44
12	Room temperature large-area nanoimprinting for broadband biomimetic antireflection surfaces. Applied Physics Letters, 2011, 99, .	1.5	36
13	Structural Coloring in Large Scale Coreâ€“Shell Nanowires. Nano Letters, 2011, 11, 4661-4665.	4.5	35
14	Thermally drawn rechargeable battery fiber enables pervasive power. Materials Today, 2022, 52, 80-89.	8.3	32
15	Computing Fabrics. Matter, 2020, 2, 786-788.	5.0	29
16	Subâ€Micrometer Surfaceâ€Patterned Ribbon Fibers and Textiles. Advanced Materials, 2017, 29, 1605868.	11.1	28
17	Biomimicry of multifunctional nanostructures in the neck feathers of mallard (Anas platyrhynchos) Tj ETQq1 1 0.784314 rgBT /Overlo	1.6	27
18	Microfluidics in structured multimaterial fibers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10830-E10838.	3.3	26

#	Article	IF	Citations
19	Customizing MRIâ€Compatible Multifunctional Neural Interfaces through Fiber Drawing. Advanced Functional Materials, 2021, 31, 2104857.	7.8	21
20	Non-resonant Mie scattering: Emergent optical properties of core-shell polymer nanowires. Scientific Reports, 2014, 4, 4607.	1.6	19
21	Anemone-like nanostructures for non-lithographic, reproducible, large-area, and ultra-sensitive SERS substrates. Nanoscale, 2014, 6, 12710-12717.	2.8	17
22	Superenhancers: Novel opportunities for nanowire optoelectronics. Scientific Reports, 2014, 4, 7505.	1.6	13
23	Nanosprings harvest light more efficiently. Applied Optics, 2015, 54, 8018.	2.1	9
24	Tailoring self-organized nanostructured morphologies in kilometer-long polymer fiber. Scientific Reports, 2014, 4, 4864.	1.6	9
25	Surface Patterning: Subâ€Micrometer Surfaceâ€Patterned Ribbon Fibers and Textiles (Adv. Mater. 22/2017). Advanced Materials, 2017, 29, .	11.1	1
26	Macroscopic photoconductive nanowire arrays. , 2011, , .		0