Dmitry Kireev

List of Publications by Year
in descending order

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40 papers	977 citations	430442 18 h-index	454577 30 g-index
41 all docs	41 docs citations	41 times ranked	1177 citing authors

#	Article	IF	Citations
1	Rollâ€toâ€Roll Dry Transfer of Largeâ€Scale Graphene. Advanced Materials, 2022, 34, e2106615.	11.1	32
2	Real-time detection of ochratoxin A in wine through insight of aptamer conformation in conjunction with graphene field-effect transistor. Biosensors and Bioelectronics, 2022, 200, 113890.	5.3	41
3	Electronic Tattoos. , 2022, , .		1
4	Continuous cuffless monitoring of arterial blood pressure via graphene bioimpedance tattoos. Nature Nanotechnology, 2022, 17, 864-870.	15.6	79
5	Graphene electronic tattoos 2.0 with enhanced performance, breathability and robustness. Npj 2D Materials and Applications, 2022, 6, .	3.9	14
6	Enhanced heat dissipation performance of chemical-doped graphene for flexible devices. Journal of the Korean Physical Society, 2021, 78, 45-50.	0.3	2
7	Multipurpose and Reusable Ultrathin Electronic Tattoos Based on PtSe₂ and PtTe₂. ACS Nano, 2021, 15, 2800-2811.	7.3	46
8	Quartz crystal microbalance monitoring of large-area graphene anodization reveals layer fracturing. MRS Advances, 2021, 6, 270-275.	0.5	0
9	Fabrication, characterization and applications of graphene electronic tattoos. Nature Protocols, 2021, 16, 2395-2417.	5.5	59
10	Origins of Leakage Currents on Electrolyte-Gated Graphene Field-Effect Transistors. ACS Applied Electronic Materials, 2021, 3, 5355-5364.	2.0	6
11	Graphene-Based Scaffolds: Fundamentals and Applications for Cardiovascular Tissue Engineering. Frontiers in Bioengineering and Biotechnology, 2021, 9, 797340.	2.0	21
12	Ultrasensitive Fieldâ€Effect Biosensors Enabled by the Unique Electronic Properties of Graphene. Small, 2020, 16, e1902820.	5.2	75
13	Graphene-Based Biosensor for Early Detection of Iron Deficiency. Sensors, 2020, 20, 3688.	2.1	28
14	Photosensitive junctions based on UV-modified graphene and inkjet-printed organic molecules. , 2020, , .		0
15	N3-MEA Probes: Scooping Neuronal Networks. Frontiers in Neuroscience, 2019, 13, 320.	1.4	10
16	Graphene-Based Sensing Platform for On-Chip Ochratoxin A Detection. Toxins, 2019, 11, 550.	1.5	23
17	Wearable graphene sensors use ambient light to monitor health. Nature, 2019, 576, 220-221.	13.7	30
18	Advancing PoC Devices for Early Disease Detection using Graphene-based Sensors. Journal of Physics: Conference Series, 2019, 1378, 032031.	0.3	6

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19	MEA Recordings and Cellâ€“Substrate Investigations with Plasmonic and Transparent, Tunable Holey Gold. ACS Applied Materials & Interfaces, 2019, 11, 46451-46461.	4.0	13
20	Electrical Characterization of Graphene-based e-Tattoos for Bio-Impedance-based Physiological Sensing. , 2019, , .		17
21	WGM Resonators for Conductivity Measurements of Graphene Films. , 2019, , .		0
22	Photo-Induced Doping in a Graphene Field-Effect Transistor with Inkjet-Printed Organic Semiconducting Molecules. Nanomaterials, 2019, 9, 1753.	1.9	4
23	Fabrication of ultrathin and flexible graphene-based devices for in vivo neuroprosthetics. MRS Advances, 2018, 3, 1621-1627.	0.5	6
24	Contactless exploration of graphene properties using millimeter wave response of WGM resonator. Applied Physics Letters, 2018, 113, 094102.	1.5	7
25	Graphene & two-dimensional devices for bioelectronics and neuroprosthetics. 2D Materials, 2018, 5, 042004.	2.0	40
26	Thermoelectrically Driven Photocurrent Generation in Femtosecond Laser Patterned Graphene Junctions. ACS Photonics, 2018, 5, 3107-3115.	3.2	17
27	High Performance Flexible Organic Electrochemical Transistors for Monitoring Cardiac Action Potential. Advanced Healthcare Materials, 2018, 7, e1800304.	3.9	50
28	Photosensitive in-plane junction in graphene field effect transistor modified under femtoseconds laser irradiation. , 2018, , .		0
29	Graphene Multielectrode Arrays as a Versatile Tool for Extracellular Measurements. Advanced Healthcare Materials, 2017, 6, 1601433.	3.9	38
30	Biosensing near the neutrality point of graphene. Science Advances, 2017, 3, e1701247.	4.7	68
31	Graphene transistors for interfacing with cells: towards a deeper understanding of liquid gating and sensitivity. Scientific Reports, 2017, 7, 6658.	1.6	60
32	Versatile Flexible Graphene Multielectrode Arrays. Biosensors, 2017, 7, 1.	2.3	63
33	Photoresponse in graphene field effect transistor under ultra-short pulsed laser irradiation. Proceedings of SPIE, 2016, , .	0.8	0
34	The effect of ultraviolet light on structural properties of exfoliated and CVD graphene. Applied Physics Letters, 2016, 109, .	1.5	9
35	Graphene field effect transistors for in vitro and ex vivo recordings. IEEE Nanotechnology Magazine, 2016, , 1-1.	1.1	13
36	Electrolyte-Gated Graphene Ambipolar Frequency Multipliers for Biochemical Sensing. Nano Letters, 2016, 16, 2295-2300.	4.5	36

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37	High throughput transfer technique: Save your graphene. Carbon, 2016, 107, 319-324.	5.4	23
38	Quantum Hall effect in graphene decorated with disordered multilayer patches. Applied Physics Letters, 2013, 103, .	1.5	39
39	Transparent and Biocompatible Electrodes Based on Carbon Nanotubes/Albumin Composite. Open Journal of Composite Materials, 2013, 03, 33-39.	0.4	0
40	From stiff silicon to compliant retinal and cortical multisite penetrating implants. Frontiers in Cellular Neuroscience, 0, 12, .	1.8	1