

Sakhrat Khizroev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4454424/publications.pdf>

Version: 2024-02-01

32
papers

1,170
citations

567281

15
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	Where do we stand now regarding treatment of psychiatric and neurodegenerative disorders? Considerations in using magnetoelectric nanoparticles as an innovative approach. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1781.	6.1	4
2	Size-dependent intranasal administration of magnetoelectric nanoparticles for targeted brain localization. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102337.	3.3	20
3	In Vivo Wireless Brain Stimulation via Non-invasive and Targeted Delivery of Magnetoelectric Nanoparticles. Neurotherapeutics, 2021, 18, 2091-2106.	4.4	32
4	A Dual Magnetic Tunnel Junction-Based Neuromorphic Device. Advanced Intelligent Systems, 2020, 2, 2000143.	6.1	11
5	Colossal Magnetoelectric Effect in Core-Shell Magnetoelectric Nanoparticles. Nano Letters, 2020, 20, 5765-5772.	9.1	39
6	Engineering Future Medicines With Magnetoelectric Nanoparticles: Wirelessly controlled, targeted therapies. IEEE Nanotechnology Magazine, 2020, 14, 23-29.	1.3	9
7	Nanomagnetic Particle-Based Information Processing. IEEE Nanotechnology Magazine, 2019, 18, 983-988.	2.0	2
8	Demonstration of spin transfer torque (STT) magnetic recording. Applied Physics Letters, 2019, 114, .	3.3	5
9	Shape transformation and self-alignment of Fe-based nanoparticles. Nanoscale Advances, 2019, 1, 2523-2528.	4.6	0
10	One-step fabrication of size-controllable nicotine containing core-shell structures. Nanoscale Advances, 2019, 1, 1305-1313.	4.6	0
11	Technobiology's Enabler: The Magnetoelectric Nanoparticle. Cold Spring Harbor Perspectives in Medicine, 2019, 9, a034207.	6.2	11
12	Magnetoelectric nanoparticles for delivery of antitumor peptides into glioblastoma cells by magnetic fields. Nanomedicine, 2018, 13, 423-438.	3.3	36
13	Physics considerations in targeted anticancer drug delivery by magnetoelectric nanoparticles. Applied Physics Reviews, 2017, 4, .	11.3	39
14	Multiferroic coreshell magnetoelectric nanoparticles as NMR sensitive nanoprobe for cancer cell detection. Scientific Reports, 2017, 7, 1610.	3.3	21
15	Biodistribution and clearance of magnetoelectric nanoparticles for nanomedical applications using energy dispersive spectroscopy. Nanomedicine, 2017, 12, 1801-1822.	3.3	23
16	Targeted and controlled anticancer drug delivery and release with magnetoelectric nanoparticles. Scientific Reports, 2016, 6, 20867.	3.3	199
17	The Physics of Spin-Transfer Torque Switching in Magnetic Tunneling Junctions in Sub-10 nm Size Range. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	9
18	Anomalous properties of sub-10-nm magnetic tunneling junctions. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Magnetolectric $\hat{\epsilon}$ -spin $\hat{\epsilon}$ ™ on stimulating the brain. <i>Nanomedicine</i> , 2015, 10, 2051-2061.	3.3	116
20	Magnetic Field $\hat{\epsilon}$ Controlled Release of Paclitaxel Drug from Functionalized Magnetolectric Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 605-611.	2.3	34
21	Influence of a low anisotropy grain on magnetization reversal in polycrystalline bit-patterned media. <i>Journal of Applied Physics</i> , 2013, 114, 123909.	2.5	2
22	Chemically Engineered Graphene-Based 2D Organic Molecular Magnet. <i>ACS Nano</i> , 2013, 7, 10011-10022.	14.6	47
23	Energy-efficient spin-transfer torque magnetization reversal in sub-10-nm magnetic tunneling junction point contacts. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	9
24	Externally controlled on-demand release of anti-HIV drug using magneto-electric nanoparticles as carriers. <i>Nature Communications</i> , 2013, 4, 1707.	12.8	193
25	Magneto-electric Nanoparticles to Enable Field-controlled High-Specificity Drug Delivery to Eradicate Ovarian Cancer Cells. <i>Scientific Reports</i> , 2013, 3, 2953.	3.3	123
26	Effect of functionalization on the electrostatic charging, tunneling, and Raman spectroscopy of epitaxial graphene. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, 03D103.	1.2	1
27	Influence of low anisotropy inclusions on magnetization reversal in bit-patterned arrays. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	4
28	Room-temperature Magnetic Ordering in Functionalized Graphene. <i>Scientific Reports</i> , 2012, 2, 624.	3.3	71
29	Magneto-Electric Nano-Particles for Non-Invasive Brain Stimulation. <i>PLoS ONE</i> , 2012, 7, e44040.	2.5	93
30	Accurate 3D source localization of focal epileptic foci using interictal EEG spikes. , 2011, , .		4
31	Micromagnetics of Magnetization Reversal in Patterned Magnetic Recording Medium. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 2411-2413.	2.1	6
32	Image-guided Placement of Magnetic Neoparticles as a Potential High-Resolution Brain-Machine Interface. , 0, , .		0