O V Kononenko

List of Publications by Year in descending order

62 papers	537 citations	706676 14 h-index	799663 21 g-index
62 all docs	62 docs citations	62 times ranked	534 citing authors

#	Article	IF	Citations
1	Influence of numerous MoirÃ© superlattices on transport properties of twisted multilayer graphene. Carbon, 2022, 194, 52-61.	5.4	6
2	Engineering of Numerous MoirÃ© Superlattices in Twisted Multilayer Graphene for Twistronics and Straintronics Applications. ACS Nano, 2021, 15, 12358-12366.	7.3	31
3	Large-scalable graphene oxide films with resistive switching for non-volatile memory applications. Journal of Alloys and Compounds, 2020, 849, 156699.	2.8	31
4	Photoresponse in Multilayer Graphene during the Passage of a Surface Acoustic Wave. Technical Physics Letters, 2020, 46, 220-223.	0.2	2
5	Electron transport and magnetotransport in graphene films grown on iron thin film catalyst. Journal of Materials Science: Materials in Electronics, 2019, 30, 16353-16358.	1.1	0
6	Technological Features of Graphene-based RF NEMS Capacitive Switches on a Semi-insulating Substrate. , 2019, , .		2
7	Low temperature synthesis of graphene nanocomposites using surface passivation of porous silicon nanocrystallites with carbon atoms. Diamond and Related Materials, 2019, 92, 53-60.	1.8	5
8	Composition-gradient protective coatings for solid oxide fuel cell interconnectors. Materials Letters, 2019, 240, 201-204.	1.3	8
9	Large positive magnetoresistance of graphene at room temperature in magnetic fields up to 0.5 T. Scripta Materialia, 2018, 147, 37-39.	2.6	7
10	One-Step Synthesis of a Hybrid of Graphene Films and Ribbons. Inorganic Materials, 2018, 54, 229-232.	0.2	2
11	Graphene synthesis by cold implantation of carbon recoil atoms. Technical Physics Letters, 2017, 43, 567-569.	0.2	2
12	Two-probe atomic-force microscope manipulator and its applications. Review of Scientific Instruments, 2017, 88, 063701.	0.6	7
13	Comparative study of thermal and plasma enhanced atomic layer deposition of aluminum oxide on graphene. Journal of Physics: Conference Series, 2017, 917, 032039.	0.3	0
14	Direct growth of graphene film on piezoelectric La₃Ga_{5.5}Ta_{0.5}O₁₄ crystal. Physica Status Solidi - Rapid Research Letters, 2016, 10, 639-644.	1.2	8
15	Hall effect sensors on the basis of carbon material. Materials Letters, 2015, 158, 384-387.	1.3	9
16	Surface acoustic wave amplification by direct current-voltage supplied to graphene film. Applied Physics Letters, 2015, 106, .	1.5	44
17	Surface acoustic wave propagation in graphene film. Journal of Applied Physics, 2015, 118, .	1.1	26
18	Structure of graphene nanotube hybrid materials produced via single-stage CVD. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 854-858.	0.1	1

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19	Using a nanoscale extraordinary hall effect sensor to measure the tip field of a magnetic cantilever. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 826-828.	0.1	0
20	Resistive switching in graphene/graphene oxide/ZnO heterostructures. Journal of the Korean Physical Society, 2014, 64, 1399-1402.	0.3	16
21	Synthesis and properties of antimony-doped ZnO nanorods. Inorganic Materials, 2013, 49, 127-135.	0.2	5
22	LOW-PRESSURE NO-FLOW CVD SYNTHESIS OF GRAPHENE FILMS. , 2013, , .		0
23	Vapor-phase synthesis of aligned zinc oxide nanorod arrays on various substrates. Inorganic Materials, 2011, 47, 740-745.	0.2	5
24	Selective growth of single-wall carbon nanotubes and the fabrication of devices on their basis. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 991-993.	0.1	3
25	Electrical Properties of Pd-contacted Single-walled Carbon Nanotubes: A Scanning Probe Microscopy Study. Materials Research Society Symposia Proceedings, 2010, 1258, 1.	0.1	0
26	Elemental vapor-phase synthesis of nanostructured zinc oxide. Inorganic Materials, 2009, 45, 1246-1251.	0.2	15
27	Study of optical, electrical and magnetic properties of composite nanomaterials on the basis of broadband oxide semiconductors. Nanotechnologies in Russia, 2009, 4, 822-827.	0.7	4
28	Fabrication and use of a nanoscale Hall probe for measurements of the magnetic field induced by MFM tips. Nanotechnology, 2009, 20, 189802-189802.	1.3	0
29	Synthesis of ZnO nanotetrapods. Inorganic Materials, 2008, 44, 846-852.	0.2	14
30	Fabrication and use of a nanoscale Hall probe for measurements of the magnetic field induced by MFM tips. Nanotechnology, 2008, 19, 475502.	1.3	16
31	Resistance Switching Induced by an Electric Field in ZnO:Li, Fe Nanowires. AIP Conference Proceedings, 2007, , .	0.3	6
32	Nitrogen concentration in ZnO films grown by magnetron sputtering in an Ar-NO plasma. Russian Microelectronics, 2007, 36, 27-32.	0.1	2
33	Electron transport in high quality undoped ZnO film grown by plasma-assisted molecular beam epitaxy. Solid State Communications, 2006, 137, 474-477.	0.9	16
34	Size effect relating to the extraordinary and the ordinary Hall effect in ultrathin Fe-Pt films. Russian Microelectronics, 2006, 35, 392-397.	0.1	6
35	Enhancement of the surface and structural properties of ZnO epitaxial films grown on Al2O3 substrates utilizing annealed ZnO buffer layers. Journal of Electroceramics, 2006, 17, 283-285.	0.8	2
36	Luminescence of bound excitons in epitaxial ZnO thin films grown by plasma-assisted molecular beam epitaxy. Journal of Applied Physics, 2006, 99, 013502.	1.1	40

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37	Electrical and Magnetic Properties of Doped ZnO Nanowires. Materials Research Society Symposia Proceedings, 2006, 957, 1.	0.1	2
38	Two-dimensional growth of ZnO epitaxial films on c-Al2O3 (0001) substrates with optimized growth temperature and low-temperature buffer layer by plasma-assisted molecular beam epitaxy. Journal of Crystal Growth, 2005, 274, 418-424.	0.7	35
39	<title>Bi film growing for nanowire fabrication</title>. , 2004, 5401, 269.		0
40	EXTRAORDINARY HALL EFFECT IN ULTRA-THIN Feâ€“Pt FILMS AND FABRICATION OF NANOMICRO HALL DEVICES. International Journal of Nanoscience, 2004, 03, 149-154.	0.4	7
41	Observation of Grain Growth in Cu Films by In-Situ EBSD Analysis. Materials Research Society Symposia Proceedings, 2003, 766, 451.	0.1	1
42	The Initial Growth Stages and Crystallization Mechanism of Bi-based films. Materials Research Society Symposia Proceedings, 2002, 721, 1.	0.1	0
43	Texture and microtexture of copper films prepared by the self-ion assisted deposition technique on barrier layers with different structure. Materials Research Society Symposia Proceedings, 2002, 721, 1.	0.1	0
44	The microstructure of Cu films deposited by the self-ion assisted technique. Journal of Electronic Materials, 2002, 31, 40-44.	1.0	10
45	Electromigration properties of multigrain aluminum thin film conductors as influenced by grain boundary structure. Journal of Materials Research, 2001, 16, 2124-2129.	1.2	10
46	EM activation energy in aluminum conductors tested by the drift velocity method. Scripta Materialia, 2000, 42, 621-626.	2.6	0
47	The energy of activation of electromigration in aluminum conductors tested by the drift-velocity method. Russian Microelectronics, 2000, 29, 316-323.	0.1	0
48	Relationship Between Structure and Electromigration Characteristics of Pure Aluminum Films. Materials Research Society Symposia Proceedings, 1997, 473, 369.	0.1	3
49	Relationship Between The Void And Hillock Formation And The Grain Growth In Thin Aluminum Films. Materials Research Society Symposia Proceedings, 1996, 428, 493.	0.1	0
50	Electromigration in Submicron Wide Copper Lines. Materials Research Society Symposia Proceedings, 1996, 427, 127.	0.1	4
51	The Improvement of Immunity to Electromigration by Means of Microstructural Design. Materials Research Society Symposia Proceedings, 1996, 428, 231.	0.1	1
52	Electromigration In Submicron Wide Copper Lines. Materials Research Society Symposia Proceedings, 1996, 428, 61.	0.1	2
53	Relationship Between The Void and Hillock Formation and The Grain Growth in Thin Aluminum Films. Materials Research Society Symposia Proceedings, 1996, 436, 423.	0.1	1
54	Anomalous Proximity Effect in the Nb-BiSb-Nb Junctions. Physical Review Letters, 1996, 77, 3029-3032.	2.9	23

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55	The effect of self-ions bombardment on the structure and properties of thin metal films. Vacuum, 1995, 46, 685-690.	1.6	19
56	Giant Peaks of the Conductance in Polycrystalline Bi Nanobridges. Physical Review Letters, 1995, 75, 4286-4289.	2.9	3
57	A new approach to fabrication of nanostructures. Nanotechnology, 1995, 6, 35-39.	1.3	20
58	Electromigration activation energy in pure aluminum films deposited by partially ionized beam technique. Scripta Metallurgica Et Materialia, 1995, 33, 1981-1986.	1.0	17
59	Morphology of Damage in Al Films Tested Under Electromigration Conditions Using the Drift Velocity Method. Materials Research Society Symposia Proceedings, 1994, 356, 501.	0.1	3
60	The structure and electromigration behaviour of aluminium films deposited by the partially ionized beam technique. Thin Solid Films, 1993, 227, 54-58.	0.8	21
61	The structure of aluminum films deposited by partially ionized beam. Scripta Metallurgica Et Materialia, 1992, 27, 329-333.	1.0	12
62	information recording. Journal of Magnetism and Magnetic Materials, 1992, 117, 119-125.	1.0	2