Nikolay A Kiselev

List of Publications by Year
in descending order

91 papers	2,428 citations	293460 24 h-index	242451 47 g-index
92 all docs	92 docs citations	92 times ranked	2039 citing authors

#	Article	IF	Citations
1	Design of electrodes based on a carbon nanofiber nonwoven material for the membrane electrode assembly of a polybenzimidazole-membrane fuel cell. Doklady Physical Chemistry, 2013, 448, 23-27.	0.2	20
2	HRTEM of 1DSnTe@SWNT nanocomposite located on thin layers of graphite. Journal of Microscopy, 2012, 248, 117-119.	0.8	10
3	Interaction between single walled carbon nanotube and 1D crystal in CuX@SWCNT (X=Cl, Br, I) nanostructures. Carbon, 2012, 50, 4021-4039.	5.4	71
4	The structure of 1D and 3D CuI nanocrystals grown within 1.5â€“2.5 nm single wall carbon nanotubes obtained by catalyzed chemical vapor deposition. Carbon, 2012, 50, 4696-4704.	5.4	30
5	The structure of nanocomposite 1D cationic conductor crystal@SWNT. Journal of Microscopy, 2012, 246, 309-321.	0.8	18
6	Point field emitters based on rod-like ZnO nanocrystals. Journal of Physics: Conference Series, 2011, 326, 012059.	0.3	1
7	Investigation of the formation of nanowires from silicon whiskers. Crystallography Reports, 2010, 55, 500-506.	0.1	1
8	One-dimensional SnF2 single crystals in the inner channels of single-wall carbon nanotubes: I. Preparation and basic characterization. Crystallography Reports, 2010, 55, 507-512.	0.1	11
9	One-dimensional SnF2 single crystals in the inner channels of single-wall carbon nanotubes: II. Structure and nanocomposite construction modeling. Crystallography Reports, 2010, 55, 688-694.	0.1	7
10	Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes. Carbon, 2010, 48, 2708-2721.	5.4	83
11	Electronic Structure of CuI@SWCNT Nanocomposite Studied by X-Ray Absorption Spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 574-578.	1.0	7
12	Properties of Field Electron Emitter Based on Carbon Nanotubes Installed in the Small-Sized X-Ray Tube. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 19, 69-74.	1.0	9
13	Preparation and properties of single-walled nanotubes filled with inorganic compounds. Russian Chemical Reviews, 2009, 78, 833-854.	2.5	56
14	Chemical Reactions within Single-Walled Carbon Nanotube Channels. Chemistry of Materials, 2009, 21, 5001-5003.	3.2	33
15	The electronic properties of SWNTs intercalated by electron acceptors. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2283-2288.	1.3	31
16	Synthesis and characterization of single-walled carbon nanotubes filled with the superionic material SnF2. Carbon, 2008, 46, 1574-1578.	5.4	22
17	Preparation of nanowires from silicon whiskers. Journal of Physics: Conference Series, 2007, 61, 352-358.	0.3	2
18	Spectral properties of single-walled carbon nanotubes encapsulating fullerenes. Carbon, 2007, 45, 1492-1505.	5.4	22

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19	Filling of single-walled carbon nanotubes by CuI nanocrystals via capillary technique. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 62-65.	1.3	49
20	A compact X-ray tube with a field emitter based on carbon nanotubes. Journal of Communications Technology and Electronics, 2007, 52, 714-716.	0.2	7
21	Gamma-radiolysis of aqueous suspensions of single-wall carbon nanotubes. Doklady Physical Chemistry, 2006, 409, 181-185.	0.2	1
22	Growth of unusual carbon nanofilaments in methane pyrolysis. Kinetics and Catalysis, 2006, 47, 497-500.	0.3	5
23	Extreme-length carbon nanofilaments with single-walled nanotube cores grown by pyrolysis of methane or acetylene. Carbon, 2006, 44, 2289-2300.	5.4	27
24	Low-voltage planar field emitters based on carbon nanotubes. Journal of Communications Technology and Electronics, 2006, 51, 960-964.	0.2	2
25	Title is missing!. Physics-Uspekhi, 2006, 49, 1105.	0.8	0
26	Field Electron Emission from Layers with Very Long and Sparse Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 179-185.	1.0	2
27	TEM and HREM of diamond crystals grown on Si tips: structure and results of ion-beam-treatment. Micron, 2005, 36, 81-88.	1.1	15
28	Two structural types of carbon bi-filaments. Carbon, 2005, 43, 1897-1908.	5.4	6
29	Influence of electric field and emission current on the configuration of nanotubes in carbon nanotube layers. Carbon, 2005, 43, 3112-3123.	5.4	16
30	Field emission from carbon layers containing very long and sparse nanotubesâˆ•nanofilaments. Applied Physics Letters, 2005, 87, 181919.	1.5	10
31	Field Electron Emission from Singleâ€Walled Carbon Nanotube Layers. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 111-115.	1.0	7
32	Carbon micro- and nanotubes synthesized by PE-CVD technique: Tube structure and catalytic particles crystallography. Carbon, 2004, 42, 149-161.	5.4	24
33	Optical activity effect in crystalline structures of purified single-wall carbon nanotubes. Chemical Physics Letters, 2003, 381, 529-534.	1.2	21
34	Nucleation and growth of crystalline diamond particles on silicon tips. Crystallography Reports, 2002, 47, S159-S168.	0.1	3
35	Field electron emission from nanotube carbon layers grown by CVD process. Applied Surface Science, 2001, 183, 111-119.	3.1	48
36	Double-walled carbon nanotubes fabricated by a hydrogen arc discharge method. Carbon, 2001, 39, 761-770.	5.4	291

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37	Isotopic shifts and the hyperfine structure of the samarium spectral lines at 672 and 686 nm. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2001, 90, 164-170.	0.2	3
38	Electron microscopy of carbon nanotubes. Crystallography Reports, 2001, 46, 577-585.	0.1	1
39	Resonances of coherent population trapping in samarium vapours. Quantum Electronics, 2001, 31, 61-66.	0.3	13
40	The structure of nanotubes fabricated by carbon evaporation at high gas pressure. Carbon, 2000, 38, 1217-1240.	5.4	47
41	HREM investigations of intermediate ZnO and ZnO/Yâ€“ZrO2 layers in Yâ€“ZrO2 bicrystals and ZnO films grown on Yâ€“ZrO2 bicrystal substrates. Journal of Crystal Growth, 2000, 220, 515-521.	0.7	2
42	SEM and HREM study of the internal structure of nanotube rich carbon arc cathodic deposits. Carbon, 1999, 37, 1093-1103.	5.4	34
43	Carbon nanotubes from polyethylene precursors: Structure and structural changes caused by thermal and chemical treatment revealed by HREM. Carbon, 1998, 36, 1149-1157.	5.4	118
44	Temperature dependence of electric resistance and magnetoresistance of pressed nanocomposites of multilayer nanotubes with the structure of nested cones. Journal of Experimental and Theoretical Physics, 1998, 86, 1216-1219.	0.2	7
45	Microstructure of yttrium stabilized ZrO2 crystals with CeO2 and SrTiO3 intermediate layers. Thin Solid Films, 1998, 333, 207-212.	0.8	4
46	Structure transition in a ZnO grain boundary. Philosophical Magazine Letters, 1998, 77, 191-198.	0.5	20
47	Thin films consisting of carbon nanotubes as a new material for emission electronics. Applied Surface Science, 1997, 111, 145-150.	3.1	50
48	HREM of nanometric tips prepared from epitaxially grown silicon whiskers. Micron, 1997, 28, 21-29.	1.1	1
49	Synthesis and structure investigations of alloys with fullerene and nanotube inclusions. Carbon, 1997, 35, 749-753.	5.4	16
50	The structure of artificial grain boundaries in yttrium stabilized ZrO2 bicrystals with intermediate layers. Physica Status Solidi A, 1995, 151, 151-164.	1.7	8
51	Microstructure and properties of artificial grain boundaries in epitaxial YBA2Cu3O7â^'Î´ thin films grown on [001] tilt Yî—‚ZrO2 bicrystals. Physica C: Superconductivity and Its Applications, 1995, 247, 263-279.	0.6	28
52	Interfacial interactions of YBa2Cu3O7â^'x thin films on Si substrates with polycrystalline Y stabilized ZrO2 buffer layers. Physica C: Superconductivity and Its Applications, 1995, 253, 297-307.	0.6	9
53	Investigation of multilayered Ge/Si structures with varying thicknesses. Vacuum, 1995, 46, 269-276.	1.6	2
54	HREM of artificial grain boundaries in Bi- and Tri-crystals obtained by the solid-phase intergrowth process. Physica Status Solidi A, 1994, 144, 383-392.	1.7	7

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55	Carbon films of oriented multilayered nanotubes deposited on KBr and glass by electron beam evaporation. Chemical Physics Letters, 1994, 228, 94-99.	1.2	19
56	Three-dimensional structure of hepatitis B virus core particles determined by electron cryomicroscopy. Cell, 1994, 77, 943-950.	13.5	491
57	Investigation of thermal stability of multilayered Si/TiSi2î—¸Al and Si/TiSi2(TiN)î—¸Wî—¸Al systems. Vacuum, 1993, 44, 1015-1023.	1.6	2
58	Electron microscopy of structurally different titanium disilicide films, obtained in one technological process. Vacuum, 1993, 44, 143-150.	1.6	0
59	Laser deposition of Yî—¸Baî—¸Cuî—¸O on ZrO2-coated sapphire substrates. Thin Solid Films, 1993, 228, 193-195.	0.8	4
60	Microstructure of edge-type Josephson junctions with PrBa2Cu3O7â^'Ï‡ barrier layer. Physica C: Superconductivity and Its Applications, 1992, 198, 278-286.	0.6	5
61	Structure and properties of TiSi2 films on Si, obtained by Ti and Si co-evaporation in high vacuum. Vacuum, 1991, 42, 1191-1201.	1.6	5
62	HREM of epitaxial layers in the InAs/GaAs system. Ultramicroscopy, 1991, 35, 11-18.	0.8	9
63	Structure and properties of TiSi2 thin films and TiSi2-Si(111) interfaces. Surface and Coatings Technology, 1991, 45, 281-291.	2.2	2
64	Negative staining of proteins. Electron Microscopy Reviews, 1990, 3, 43-72.	1.3	40
65	HREM of thin film PbMo6S8 superconducting compound. Ultramicroscopy, 1988, 25, 23-30.	0.8	3
66	Electron microscopy of multiple forms of glutamine synthetase from bacteroids and the cytosol of yellow lupin root nodules. BBA - Proteins and Proteomics, 1987, 913, 368-376.	2.1	9
67	Electron microscopy of the hydrogenase from the hydrogen-oxidizing bacterium Alcaligenes eutrophus Z1. FEBS Letters, 1986, 197, 225-228.	1.3	6
68	Electron microscopy of the nitrogenase molecule from azotobacter vinelandii. Journal of Inorganic Biochemistry, 1986, 27, 141-146.	1.5	2
69	Glutamine synthetases of pea leaf and seed cytosol. Structure and properties. BBA - Proteins and Proteomics, 1985, 828, 336-350.	2.1	16
70	Electron microscopy of the Mo-Fe-protein from Azotobacter vinelandii nitrogenase. FEBS Journal, 1985, 149, 389-392.	0.2	10
71	Fine structure of the 30 S ribosomal subunit. FEBS Letters, 1985, 186, 21-25.	1.3	2
72	On the fine structure of rat liver ribosome small subunits. Molecular Biology Reports, 1982, 8, 185-189.	1.0	6

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73	Strand-like structures and their three-dimensional organization in the large subunit of theEscherichia coli ribosome. Molecular Biology Reports, 1982, 8, 191-197.	1.0	9
74	On the negative staining of the protein crystal structure. Ultramicroscopy, 1981, 7, 131-137.	0.8	17
75	Structure of small subparticles of liver ribosomes. Journal of Molecular Biology, 1978, 126, 109-115.	2.0	11
76	Electron microscopy of leucine aminopeptidase. Journal of Molecular Biology, 1977, 115, 33-43.	2.0	16
77	Structure of products of protein reassembly and reconstruction of potato virus X. Virology, 1975, 67, 283-287.	1.1	19
78	On the structure of liver ribosomes. Journal of Molecular Biology, 1974, 86, 577-586.	2.0	16
79	Electron microscopy of muscle phosphorylase a. Journal of Molecular Biology, 1974, 86, 587-599.	2.0	9
80	Electron microscopy of muscle phosphorylase b. Journal of Molecular Biology, 1971, 62, 537-549.	2.0	21
81	A double-helical structure found on the re-aggregation of the protein of barley stripe mosaic virus. Journal of Molecular Biology, 1969, 39, 673-IN22.	2.0	10
82	The structure of viruses of the papilloma-polyoma type. Journal of Molecular Biology, 1969, 40, 155-169.	2.0	79
83	Stable intermediate aggregates formed by the polymerization of barley stripe mosaic virus protein. Virology, 1968, 36, 620-638.	1.1	32
84	Structure of the tubes of catalase: Analysis of electron micrographs by optical filtering. Journal of Molecular Biology, 1968, 35, 561-IN16.	2.0	41
85	In vitro polymerization of winter wheat mosaic virus antigen. Virology, 1968, 35, 458-472.	1.1	6
86	Electron microscope study of the structure of Escherichia coli ribosomes and CM-like particles. Journal of Molecular Biology, 1968, 37, 367-377.	2.0	45
87	Electron microscopy investigation of the structure of cytoplasmic ribosomes of bean leaves. Journal of Molecular Biology, 1968, 38, 443-445.	2.0	12
88	Isolation and physicochemical investigation of T1 bacteriophage DNA. Virology, 1967, 33, 1-9.	1.1	27
89	Crystallization of catalase in the form of tubes with monomolecular walls. Journal of Molecular Biology, 1967, 25, 433-441.	2.0	78
90	Small-Sized X-Ray Tube with the Field Electron Emitter on the Base of Carbon Nanotubes. , 0, , .		0

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91	One-Dimensional Crystals inside Single-Walled Carbon Nanotubes: Growth, Structure and Electronic Properties. , 0, , .		11