Marianna V Kharlamova

List of Publications by Year
in descending order

62 papers	1,430 citations	304743 22 h-index	361022 35 g-index
65 all docs	65 docs citations	65 times ranked	787 citing authors

#	Article	IF	Citations
1	Advances in tailoring the electronic properties of single-walled carbon nanotubes. Progress in Materials Science, 2016, 77, 125-211.	32.8	98
2	Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes. Carbon, 2010, 48, 2708-2721.	10.3	83
3	Interaction between single walled carbon nanotube and 1D crystal in CuX@SWCNT (X=Cl, Br, I) nanostructures. Carbon, 2012, 50, 4021-4039.	10.3	71
4	Doping of single-walled carbon nanotubes controlled via chemical transformation of encapsulated nickelocene. Nanoscale, 2015, 7, 1383-1391.	5.6	60
5	Preparation and properties of single-walled nanotubes filled with inorganic compounds. Russian Chemical Reviews, 2009, 78, 833-854.	6.5	56
6	Growth and Characterization of One-Dimensional SnTe Crystals within the Single-Walled Carbon Nanotube Channels. Journal of Physical Chemistry C, 2011, 115, 3578-3586.	3.1	50
7	Acceptor doping of single-walled carbon nanotubes by encapsulation of zinc halogenides. European Physical Journal B, 2012, 85, 1.	1.5	49
8	Singleâ€walled carbon nanotubes filled with nickel halogenides: Atomic structure and doping effect. Physica Status Solidi (B): Basic Research, 2012, 249, 2328-2332.	1.5	47
9	Comparison of metallic silver and copper doping effects on single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2012, 109, 25-29.	2.3	45
10	New method of the directional modification of the electronic structure of single-walled carbon nanotubes by filling channels with metallic copper from a liquid phase. JETP Letters, 2012, 95, 314-319.	1.4	41
11	Donor doping of single-walled carbon nanotubes by filling of channels with silver. Journal of Experimental and Theoretical Physics, 2012, 115, 485-491.	0.9	40
12	Comparison of modification of electronic properties of single-walled carbon nanotubes filled with metal halogenide, chalcogenide, and pure metal. Applied Physics A: Materials Science and Processing, 2013, 112, 297-304.	2.3	38
13	Investigation of growth dynamics of carbon nanotubes. Beilstein Journal of Nanotechnology, 2017, 8, 826-856.	2.8	37
14	Study of the electronic structure of single-walled carbon nanotubes filled with cobalt bromide. JETP Letters, 2010, 91, 196-200.	1.4	35
15	Comparison of influence of incorporated 3d-, 4d- and 4f-metal chlorides on electronic properties of single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2013, 111, 725-731.	2.3	35
16	Electronic properties of pristine and modified single-walled carbon nanotubes. Physics-Uspekhi, 2013, 56, 1047-1073.	2.2	34
17	Charge transfer in single-walled carbon nanotubes filled with cadmium halogenides. Journal of Materials Science, 2013, 48, 8412-8419.	3.7	33
18	A Review of the Terahertz Conductivity and Photoconductivity of Carbon Nanotubes and Heteronanotubes. Advanced Optical Materials, 2021, 9, 2101042.	7.3	32

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19	Applications of Pristine and Functionalized Carbon Nanotubes, Graphene, and Graphene Nanoribbons in Biomedicine. Nanomaterials, 2021, 11, 3020.	4.1	30
20	Inner tube growth properties and electronic structure of ferrocene-filled large diameter single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2575-2580.	1.5	29
21	Chirality-dependent growth of single-wall carbon nanotubes as revealed inside nano-test tubes. Nanoscale, 2017, 9, 7998-8006.	5.6	29
22	Applications of Filled Single-Walled Carbon Nanotubes: Progress, Challenges, and Perspectives. Nanomaterials, 2021, 11, 2863.	4.1	26
23	Chiral vector and metal catalyst-dependent growth kinetics of single-wall carbon nanotubes. Carbon, 2018, 133, 283-292.	10.3	21
24	Fermi level engineering of metallicity-sorted metallic single-walled carbon nanotubes by encapsulation of few-atom-thick crystals of silver chloride. Journal of Materials Science, 2018, 53, 13018-13029.	3.7	21
25	The formation and properties of one-dimensional FeHal2 (Hal = Cl, Br, I) nanocrystals in channels of single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 634-646.	0.7	19
26	Novel approach to tailoring the electronic properties of single-walled carbon nanotubes by the encapsulation of high-melting gallium selenide using a single-step process. JETP Letters, 2013, 98, 272-277.	1.4	19
27	Adsorption of proteins in channels of carbon nanotubes: Effect of surface chemistry. Materials Express, 2013, 3, 1-10.	0.5	18
28	Rare-earth metal halogenide encapsulation-induced modifications in Raman spectra of single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2015, 118, 27-35.	2.3	18
29	Silver Chloride Encapsulation-Induced Modifications of Raman Modes of Metallicity-Sorted Semiconducting Single-Walled Carbon Nanotubes. Journal of Spectroscopy, 2018, 2018, 1-9.	1.3	18
30	Metal Cluster Size-Dependent Activation Energies of Growth of Single-Chirality Single-Walled Carbon Nanotubes inside Metallocene-Filled Single-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 2649.	4.1	16
31	Temperature-dependent inner tube growth and electronic structure of nickelocene-filled single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2485-2490.	1.5	15
32	Revealing the doping effect of encapsulated lead halogenides on single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	15
33	Comparative analysis of electronic properties of tin, gallium, and bismuth chalcogenide-filled single-walled carbon nanotubes. Journal of Materials Science, 2014, 49, 8402-8411.	3.7	14
34	Characterization of the Electronic Properties of Singleâ€Walled Carbon Nanotubes Filled with an Electron Donorâ€"Rubidium Iodide: Multifrequency Raman and Xâ€ray Photoelectron Spectroscopy Studies. Physica Status Solidi (B): Basic Research, 2019, 256, 1900209.	1.5	14
35	Electronic properties of single-walled carbon nanotubes filled with manganese halogenides. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	13
36	Inner tube growth and electronic properties of metallicity-sorted nickelocene-filled semiconducting single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	13

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37	Nonviral Locally Injected Magnetic Vectors for In Vivo Gene Delivery: A Review of Studies on Magnetofection. Nanomaterials, 2021, 11, 1078.	4.1	13
38	Optical properties of Î³-ferric oxide nanoparticles in a mesoporous silica matrix. Technical Physics Letters, 2008, 34, 288-291.	0.7	12
39	One-Dimensional Crystals inside Single-Walled Carbon Nanotubes: Growth, Structure and Electronic Properties. , 0, , .		11
40	Experimental and theoretical studies on the electronic properties of praseodymium chloride-filled single-walled carbon nanotubes. Journal of Materials Science, 2015, 50, 5419-5430.	3.7	11
41	Comparison of Doping Levels of Singleâ€Walled Carbon Nanotubes Synthesized by Arcâ€Discharge and Chemical Vapor Deposition Methods by Encapsulated Silver Chloride. Physica Status Solidi (B): Basic Research, 2018, 255, 1800178.	1.5	11
42	Comprehensive spectroscopic characterization of high purity metallicity-sorted single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2512-2518.	1.5	10
43	Raman Spectroscopy Study of the Doping Effect of the Encapsulated Iron, Cobalt, and Nickel Bromides on Single-Walled Carbon Nanotubes. Journal of Spectroscopy, 2015, 2015, 1-8.	1.3	10
44	Growth dynamics of inner tubes inside cobaltocene-filled single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	10
45	Raman spectroscopy study of the doping effect of the encapsulated terbium halogenides on single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	10
46	Nickelocene-Filled Purely Metallic Single-Walled Carbon Nanotubes: Sorting and Tuning the Electronic Properties. Nanomaterials, 2021, 11, 2500.	4.1	9
47	Synthesis of nanocomposites on basis of single-walled carbon nanotubes intercalated by manganese halogenides. Journal of Physics: Conference Series, 2012, 345, 012034.	0.4	8
48	<i>In situ</i> Raman spectroscopy studies on timeâ€dependent inner tube growth in ferroceneâ€filled large diameter singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2394-2400.	1.5	8
49	Semiconducting response in singleâ€walled carbon nanotubes filled with cadmium chloride. Physica Status Solidi (B): Basic Research, 2016, 253, 2433-2439.	1.5	8
50	Separation of Nickelocene-Filled Single-Walled Carbon Nanotubes by Conductivity Type and Diameter. Physica Status Solidi (B): Basic Research, 2017, 254, 1700178.	1.5	8
51	Diameter and metal-dependent growth properties of inner tubes inside metallocene-filled single-walled carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 20-26.	2.1	8
52	Phase transition in nanostructured LaMnO3. JETP Letters, 2009, 89, 301-305.	1.4	7
53	Optical properties of nanostructured Î³ iron oxide. Doklady Chemistry, 2007, 415, 176-179.	0.9	5
54	Spectroscopy of Filled Single-Walled Carbon Nanotubes. Nanomaterials, 2022, 12, 42.	4.1	5

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55	Magnetic properties of Î³-iron oxide nanoparticles in a mesoporous silica matrix. JETP Letters, 2007, 85, 439-443.	1.4	4
56	Endohedral Functionalization of Metallicity-Sorted Single-Walled Carbon Nanotubes. Proceedings (mdpi), 2020, 56, .	0.2	4
57	Temperature-Dependent Growth of 36 Inner Nanotubes inside Nickelocene, Cobaltocene and Ferrocene-Filled Single-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 2984.	4.1	4
58	Multifrequency Raman spectroscopy on bulk (11,10) chirality enriched semiconducting singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2014, 251, 2432-2436.	1.5	3
59	Tuning the Electronic Properties of Single-Walled Carbon Nanotubes by Filling with Electron Donor and Acceptor Compounds. Materials Proceedings, 2021, 4, 67.	0.2	3
60	Single-walled Carbon Nanotubes: Synthesis and Modification of the Electronic Structure. World Scientific Series on Carbon Nanoscience, 2015, , 185-229.	0.1	2
61	Study of the atomically clean InSe(0001) surface by X-ray photoelectron spectroscopy. Russian Microelectronics, 2012, 41, 521-526.	0.5	1
62	Synthesis and Properties of Single-Walled Carbon Nanotubes Filled with Metal Halogenides and Metallocenes. , 2019, , .		1