

Victor I Kleshch

List of Publications by Year in descending order

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44
papers

533
citations

623734

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44
all docs

44
docs citations

44
times ranked

547
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel method for metal oxide nanowire synthesis. <i>Nanotechnology</i> , 2009, 20, 165603.	2.6	110
2	Edge field emission of large-area single layer graphene. <i>Applied Surface Science</i> , 2015, 357, 1967-1974.	6.1	41
3	Single Crystal Diamond Needle as Point Electron Source. <i>Scientific Reports</i> , 2016, 6, 35260.	3.3	32
4	A nano-graphite cold cathode for an energy-efficient cathodoluminescent light source. <i>Beilstein Journal of Nanotechnology</i> , 2013, 4, 493-500.	2.8	23
5	Cold and Laser Stimulated Electron Emission from Nanocarbons. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2009, 4, 207-219.	0.5	23
6	Field emission spectroscopy evidence for dual-barrier electron tunnelling in nanographite. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	18
7	A Comparative Study of Field Emission From Semiconducting and Metallic Single-Walled Carbon Nanotube Planar Emitters. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700268.	1.5	17
8	Electromechanical self-oscillations of carbon nanotube field emitter. <i>Carbon</i> , 2010, 48, 3895-3900.	10.3	16
9	Surface structure and field emission properties of few-layer graphene flakes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2623-2626.	1.5	16
10	Field Emission Properties of Metal Oxide Nanowires. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012, 7, 35-40.	0.5	16
11	A comparative study of field emission from NanoBuds, nanographite and pure or N-doped single-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3051-3054.	1.5	15
12	Effect of vacuum level on field emission from nanographite films. <i>Technical Physics</i> , 2012, 57, 1003-1007.	0.7	15
13	Nano-graphite cold cathodes for electric solar wind sail. <i>Carbon</i> , 2015, 81, 132-136.	10.3	15
14	Photoinduced effects in field electron emission from diamond needles. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	14
15	Photoassisted and multiphoton emission from single-crystal diamond needles. <i>Nanoscale</i> , 2019, 11, 6852-6858.	5.6	14
16	Modeling of Field Emission from Nano Carbons. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2008, 16, 384-388.	2.1	13
17	Carbon single-electron point source controlled by Coulomb blockade. <i>Carbon</i> , 2021, 171, 154-160.	10.3	13
18	Scanning Anode Field Emission Microscopy of Nanocarbons. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 114-118.	0.5	12

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19	Field Electron Emission From CVD Nanocarbon Films Containing Scrolled Graphene Structures. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700270.	1.5	11
20	Single-Crystal Diamond Needle Fabrication Using Hot-Filament Chemical Vapor Deposition. <i>Materials</i> , 2021, 14, 2320.	2.9	11
21	Coulomb blockade and quantum confinement in field electron emission from heterostructured nanotips. <i>Physical Review B</i> , 2020, 102, .	3.2	11
22	Self-oscillations of carbon nanotube twist-eyarn during field emission. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2658-2661.	1.5	8
23	Self-oscillations in an electromechanical system with a field emitter. <i>JETP Letters</i> , 2009, 90, 464-468.	1.4	7
24	Conduction mechanisms and voltage drop during field electron emission from diamond needles. <i>Ultramicroscopy</i> , 2019, 202, 51-56.	1.9	7
25	Surface graphitization of diamond nanotips induced by field-emission current. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	6
26	Fluid modeling for plasma-enhanced direct current chemical vapor deposition. <i>Journal of Nanophotonics</i> , 2015, 10, 012503.	1.0	5
27	Field emission from single-walled carbon nanotubes modified by annealing and CuCl doping. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	5
28	Effect of laser illumination on the electrical conductivity of single-crystal diamond needles. <i>Journal of Applied Physics</i> , 2019, 126, 045710.	2.5	5
29	Coulomb blockade in field electron emission from carbon nanotubes. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	5
30	A Comparative Study of Field Emission From Pristine, Ion-treated and Tungsten Nanoparticle-Decorated p-type Silicon Tips. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800646.	1.5	4
31	Atomic layer deposition of TiO ₂ and Al ₂ O ₃ on nanographite films: structure and field emission properties. <i>Journal of Nanophotonics</i> , 2015, 10, 012509.	1.0	3
32	Detonation Nanodiamond-Assisted Carbon Nanotube Growth by Hot Filament Chemical Vapor Deposition. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700286.	1.5	3
33	Field emission microscopy pattern of a single-crystal diamond needle under ultrafast laser illumination. <i>New Journal of Physics</i> , 2019, 21, 113060.	2.9	3
34	Effect of Residual Gas Pressure on Field Electron Emission from Nanographite Films. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2012, 7, 41-45.	0.5	3
35	Thermionic field electron emission from graphite-based nanomaterials. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2712-2715.	1.5	2
36	CVD nanographite films covered by ALD metal oxides: structural and field emission properties. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 1022-1027.	0.8	2

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37	Production and potential applications of needle-like diamonds. <i>Materials Today: Proceedings</i> , 2018, 5, 26146-26152.	1.8	2
38	Field Emission Properties of Single-Walled Carbon Nanotube Films. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2013, 8, 71-74.	0.5	2
39	Nano-graphite field-emission cathode for space electric propulsion systems. <i>Nanotechnology</i> , 2022, 33, 415201.	2.6	2
40	Field emission from single-wall nanotubes obtained from carbon and boron nitride mixtures. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1990-1993.	1.5	1
41	Homogeneous low-voltage field emission from nanographite films for cold cathode applications. , 2014, , .		1
42	Coulomb blockade modulated current-voltage characteristic of a diamond field emitter. , 2016, , .		1
43	Field emission properties of p-type silicon tips decorated with tungsten nanoparticles. , 2017, , .		0
44	Combined effect of single-electron charging and quantum confinement on field electron emission from heterostructured nanotips. , 2021, , .		0