

Sanju Gupta

List of Publications by Year in descending order

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138
papers

2,490
citations

236612

25
h-index

264894

42
g-index

141
all docs

141
docs citations

141
times ranked

2871
citing authors

#	ARTICLE	IF	CITATIONS
1	Radio-Frequency Spectroscopy of Ultracold Fermions. <i>Science</i> , 2003, 300, 1723-1726.	6.0	242
2	Contrast Interferometry using Bose-Einstein Condensates to Measure \hbar . <i>Physical Review Letters</i> , 2002, 89, 140401.	2.9	139
3	Role of thin Fe catalyst in the synthesis of double- and single-wall carbon nanotubes via microwave chemical vapor deposition. <i>Applied Physics Letters</i> , 2004, 85, 2601-2603.	1.5	93
4	Hydrogen bubble-assisted syntheses of polypyrrole micro/nanostructures using electrochemistry: structural and physical property characterization. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1343-1355.	1.2	79
5	Graphene Quantum Dots Electrochemistry and Sensitive Electrocatalytic Glucose Sensor Development. <i>Nanomaterials</i> , 2017, 7, 301.	1.9	79
6	Charge transfer in carbon nanotube actuators investigated using in situ Raman spectroscopy. <i>Journal of Applied Physics</i> , 2004, 95, 2038-2048.	1.1	77
7	Investigating graphene/conducting polymer hybrid layered composites as pseudocapacitors: Interplay of heterogeneous electron transfer, electric double layers and mechanical stability. <i>Composites Part B: Engineering</i> , 2016, 105, 46-59.	5.9	56
8	Diamond Phase (sp^3) Rich Boron-Doped Carbon Nanowalls (sp^2): Physicochemical and Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20821-20833.	1.5	53
9	Nanocarbon materials: probing the curvature and topology effects using phonon spectra. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1127-1137.	1.2	50
10	A topological twist on materials science. <i>MRS Bulletin</i> , 2014, 39, 265-279.	1.7	44
11	Magnetron sputtered diamond-like carbon microelectrodes for on-chip measurement of quantal catecholamine release from cells. <i>Biomedical Microdevices</i> , 2008, 10, 623-629.	1.4	39
12	Synthesis, structure, and field emission properties of sulfur-doped nanocrystalline diamond. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 17, 443-451.	1.1	37
13	Changes in the vibrational modes of carbon nanotubes induced by electron-beam irradiation: resonance Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 188-199.	1.2	37
14	The effect of hydrogen on the network disorder in hydrogenated amorphous silicon. <i>Applied Physics Letters</i> , 1999, 75, 2803-2805.	1.5	36
15	Ex situ spectroscopic ellipsometry and Raman spectroscopy investigations of chemical vapor deposited sulfur incorporated nanocrystalline carbon thin films. <i>Journal of Applied Physics</i> , 2002, 92, 5457-5462.	1.1	36
16	Study of the electron field emission and microstructure correlation in nanocrystalline carbon thin films. <i>Journal of Applied Physics</i> , 2001, 89, 5671-5675.	1.1	35
17	Microstructure, residual stress, and intermolecular force distribution maps of graphene/polymer hybrid composites: Nanoscale morphology-promoted synergistic effects. <i>Composites Part B: Engineering</i> , 2016, 92, 175-192.	5.9	35
18	Synthesis and characterization of sulfur-incorporated microcrystalline diamond and nanocrystalline carbon thin films by hot filament chemical vapor deposition. <i>Journal of Materials Research</i> , 2003, 18, 363-381.	1.2	34

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19	Multiwalled carbon nanotubes and dispersed nanodiamond novel hybrids: Microscopic structure evolution, physical properties, and radiation resilience. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	31
20	Role of sp ² C cluster size on the field emission properties of sulfur-incorporated nanocomposite carbon thin films. <i>Applied Physics Letters</i> , 2002, 80, 1471-1473.	1.5	30
21	Spectroscopic ellipsometry studies of nanocrystalline carbon thin films deposited by HFCVD. <i>Diamond and Related Materials</i> , 2001, 10, 1968-1972.	1.8	28
22	Electron field emission properties of gamma irradiated microcrystalline diamond and nanocrystalline carbon thin films. <i>Journal of Applied Physics</i> , 2002, 92, 3311-3317.	1.1	27
23	In situ Raman spectro-electrochemistry study of single-wall carbon nanotube mat. <i>Diamond and Related Materials</i> , 2004, 13, 1314-1321.	1.8	26
24	Hollow to bamboolike internal structure transition observed in carbon nanotube films. <i>Journal of Applied Physics</i> , 2005, 98, 014312.	1.1	26
25	Spatial distribution of electron emission sites for sulfur doped and intrinsic nanocrystalline diamond films. <i>Diamond and Related Materials</i> , 2003, 12, 474-480.	1.8	25
26	Template-free synthesis of conducting-polymer polypyrrole micro/nanostructures using electrochemistry. <i>Applied Physics Letters</i> , 2006, 88, 063108.	1.5	25
27	Graphene-family nanomaterials assembled with cobalt oxides and cobalt nanoparticles as hybrid supercapacitive electrodes and enzymeless glucose detection platforms. <i>Journal of Materials Research</i> , 2017, 32, 301-322.	1.2	25
28	Metal nanoparticles-grafted functionalized graphene coated with nanostructured polyaniline "hybrid"™ nanocomposites as high-performance biosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 85-101.	4.0	25
29	Temperature-dependent structural characterization of sol-gel deposited strontium titanate (SrTiO ₃) thin films using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 885-891.	1.2	24
30	Electron field emission from sulfur-incorporated nanocrystalline carbon thin films. <i>Applied Physics Letters</i> , 2001, 79, 3446-3448.	1.5	24
31	Electron field emission properties of microcrystalline and nanocrystalline carbon thin films deposited by S-assisted hot filament CVD. <i>Diamond and Related Materials</i> , 2002, 11, 799-803.	1.8	24
32	Room-temperature electrical conductivity studies of sulfur-modified microcrystalline diamond thin films. <i>Applied Physics Letters</i> , 2003, 83, 491-493.	1.5	24
33	Investigations of micro-stress and phase transition in sol-gel-derived multideposited coatings of barium titanate using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 42-49.	1.2	23
34	Electron field-emission mechanism in nanostructured carbon films: A quest. <i>Journal of Applied Physics</i> , 2004, 95, 8314-8320.	1.1	23
35	Electrochemical performance of thin free-standing boron-doped diamond nanosheet electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 862, 114016.	1.9	23
36	Vanadium Pentoxide Nanobelt-Reduced Graphene Oxide Nanosheet Composites as High-Performance Pseudocapacitive Electrodes: ac Impedance Spectroscopy Data Modeling and Theoretical Calculations. <i>Materials</i> , 2016, 9, 615.	1.3	22

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37	Investigations of the electron field emission properties and microstructure correlation in sulfur-incorporated nanocrystalline carbon thin films. <i>Journal of Applied Physics</i> , 2002, 91, 10088.	1.1	21
38	Study of structural phase transitions in solid-solution (1 - x)PZN-xPT relaxor ferroelectric using Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 921-924.	1.2	20
39	Imaging temperature-dependent field emission from carbon nanotube films: Single versus multiwalled. <i>Applied Physics Letters</i> , 2005, 86, 063109.	1.5	20
40	Ozone oxidation methods for aluminum oxide formation: Application to low-voltage organic transistors. <i>Organic Electronics</i> , 2015, 21, 132-137.	1.4	20
41	Electrostatic Layer-By-Layer Self-Assembled Graphene/Multi-Walled Carbon Nanotubes Hybrid Multilayers as Efficient All Carbon™ Supercapacitors. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 4771-4782.	0.9	20
42	Geometrical interpretation and curvature distribution in nanocarbons. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	19
43	Multiphonon Raman spectroscopy properties and Raman mapping of 2D van der Waals solids: graphene and beyond. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 217-230.	1.2	19
44	Ex situ variable angle spectroscopic ellipsometry studies on chemical vapor deposited boron-doped diamond films: Layered structure and modeling aspects. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	18
45	Secondary Electron Intensity Contrast Imaging and Friction Properties of Micromechanically Cleaved Graphene Layers on Insulating Substrates. <i>Journal of Electronic Materials</i> , 2014, 43, 3458-3469.	1.0	18
46	Graphene-Inorganic Hybrids with Cobalt Oxide Polymorphs for Electrochemical Energy Systems and Electrocatalysis: Synthesis, Processing and Properties. <i>Journal of Electronic Materials</i> , 2015, 44, 4492-4509.	1.0	18
47	Development of FRET biosensor based on aptamer/functionalized graphene for ultrasensitive detection of bisphenol A and discrimination from analogs. <i>Nano Structures Nano Objects</i> , 2017, 10, 131-140.	1.9	18
48	Charge transfer dynamical processes at graphene-transition metal oxides/electrolyte interface for energy storage: Insights from in-situ Raman spectroelectrochemistry. <i>AIP Advances</i> , 2018, 8, .	0.6	18
49	Microstructural studies of diamond thin films grown by electron cyclotron resonance-assisted chemical vapor deposition. <i>Journal of Applied Physics</i> , 2000, 88, 5695-5702.	1.1	17
50	Electrical conductivity studies of chemical vapor deposited sulfur-incorporated nanocomposite carbon thin films. <i>Applied Physics Letters</i> , 2002, 81, 283-285.	1.5	17
51	Room temperature dc electrical conductivity studies of electron-beam irradiated carbon nanotubes. <i>Diamond and Related Materials</i> , 2007, 16, 236-242.	1.8	17
52	Probing the nature of electron transfer in metalloproteins on graphene-family materials as nanobiocatalytic scaffold using electrochemistry. <i>AIP Advances</i> , 2015, 5, 037106.	0.6	17
53	Molecular sensitivity of metal nanoparticles decorated graphene-family nanomaterials as surface-enhanced Raman scattering (SERS) platforms. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 438-451.	1.2	17
54	Growth and field emission properties of small diameter carbon nanotube films. <i>Diamond and Related Materials</i> , 2005, 14, 714-718.	1.8	16

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55	The effect of boron doping and gamma irradiation on the structure and properties of microwave chemical vapor deposited boron-doped diamond films. <i>Journal of Materials Research</i> , 2009, 24, 1498-1512.	1.2	16
56	Insights into electrode/electrolyte interfacial processes and the effect of nanostructured cobalt oxides loading on graphene-based hybrids by scanning electrochemical microscopy. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	16
57	Conducting Polymer Nanostructures and Nanocomposites with Carbon Nanotubes: Hierarchical Assembly by Molecular Electrochemistry, Growth Aspects and Property Characterization. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 374-391.	0.9	16
58	Electrochemical tuning and investigations on actuator mechanism of single-wall carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 378-384.	1.8	15
59	Graphene-Based Hybrids with Manganese Oxide Polymorphs as Tailored Interfaces for Electrochemical Energy Storage: Synthesis, Processing, and Properties. <i>Journal of Electronic Materials</i> , 2015, 44, 62-78.	1.0	15
60	Ultraviolet and visible Raman spectroscopic investigations of nanocrystalline carbon thin films grown by bias-assisted hot-filament chemical vapor deposition. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 192-198.	1.2	14
61	Novel nanocarbon hybrids of single-walled carbon nanotubes and dispersed nanodiamond: Structure and hierarchical defects evolution irradiated with gamma rays. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	14
62	Structural Characterization of the Voltage-Sensor Domain and Voltage-Gated K ⁺ -Channel Proteins Vectorially Oriented within a Single Bilayer Membrane at the Solid/Vapor and Solid/Liquid Interfaces via Neutron Interferometry. <i>Langmuir</i> , 2012, 28, 10504-10520.	1.6	14
63	Increased field-emission site density from regrown carbon nanotube films. <i>Journal of Applied Physics</i> , 2005, 97, 104309.	1.1	13
64	Ion transport and electrochemical tuning of Fermi level in single-wall carbon nanotube probed by in situ Raman scattering. <i>Journal of Applied Physics</i> , 2006, 100, 083711.	1.1	13
65	Morphology and magnetic properties of island-like Co and Ni films obtained by de-wetting. <i>Journal of Nanoparticle Research</i> , 2011, 13, 245-255.	0.8	13
66	Negative Gaussian curvature distribution in physical and biophysical systems—Curved nanocarbons and ion-channel membrane proteins. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	13
67	Electrostatic force microscopy studies of boron-doped diamond films. <i>Journal of Materials Research</i> , 2007, 22, 3014-3028.	1.2	12
68	Nanocarbon hybrids of graphene-based materials and ultradispersed diamond: investigating structure and hierarchical defects evolution with electron-beam irradiation. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 509-523.	1.2	12
69	Computational predictions of electronic properties of graphene with defects, adsorbed transition metal-oxides and water using density functional theory. <i>Applied Surface Science</i> , 2019, 467-468, 760-772.	3.1	12
70	Graphene-based aerogels with carbon nanotubes as ultrahigh-performing mesoporous capacitive deionization electrodes for brackish and seawater desalination. , 0, 162, 97-111.		12
71	Ex situ spectroscopic ellipsometry investigation of the layered structure of polycrystalline diamond thin films grown by electron cyclotron resonance-assisted chemical vapor deposition. <i>Journal of Applied Physics</i> , 2001, 90, 1280-1285.	1.1	11
72	Role of H in hot-wire deposited a-Si:H films revisited: optical characterization and modeling. <i>Journal of Non-Crystalline Solids</i> , 2004, 343, 131-142.	1.5	11

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73	Scanning electrochemical microscopy of graphene/polymer hybrid thin films as supercapacitors: Physical-chemical interfacial processes. <i>AIP Advances</i> , 2015, 5, 107113.	0.6	11
74	Molybdenum disulfide monolayer electronic structure information as explored using density functional theory and quantum theory of atoms in molecules. <i>Applied Surface Science</i> , 2021, 555, 149545.	3.1	11
75	High-Temperature Annealing Effects on Multiwalled Carbon Nanotubes: Electronic Structure, Field Emission and Magnetic Behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6799-805.	0.9	10
76	Salt-Assisted Ultrasonicated De-Aggregation and Advanced Redox Electrochemistry of Detonation Nanodiamond. <i>Materials</i> , 2017, 10, 1292.	1.3	10
77	Functionalized Graphene-Polyoxometalate Nanodots Assembly as "Organic-Inorganic-Hybrid Supercapacitors and Insights into Electrode/Electrolyte Interfacial Processes. <i>Journal of Carbon Research</i> , 2017, 3, 24.	1.4	10
78	Formation of Q-carbon and diamond coatings on WC and steel substrates. <i>Diamond and Related Materials</i> , 2019, 98, 107515.	1.8	10
79	A unified approach to modelling photovoltaic powered systems. <i>Solar Energy</i> , 1995, 55, 267-285.	2.9	9
80	Synthesizing Nanocrystalline Carbon Thin Films by Hot Filament Chemical Vapor Deposition and Controlling Their Microstructure. <i>Journal of Materials Research</i> , 2002, 17, 1820-1833.	1.2	9
81	Profile structures of the voltage-sensor domain and the voltage-gated K^{+} -channel vectorially oriented in a single phospholipid bilayer membrane at the solid-vapor and solid-liquid interfaces determined by x-ray interferometry. <i>Physical Review E</i> , 2011, 84, 031911.	0.8	9
82	Graphene Quantum Dots Electrochemistry and Development of Ultrasensitive Enzymatic Glucose Sensor. <i>MRS Advances</i> , 2018, 3, 831-847.	0.5	9
83	Electrochemically Desulfurized Molybdenum Disulfide (MoS_2) and Reduced Graphene Oxide Aerogel Composites as Efficient Electrocatalysts for Hydrogen Evolution. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6191-6214.	0.9	9
84	Highly efficient thermo-electrochemical energy harvesting from graphene-carbon nanotube hybrid aerogels. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	9
85	Two-Dimensional Titanium Carbide (Ti_3C_2Tx) MXenes of Different Flake Sizes Studied by Scanning Electrochemical Microscopy in Different Electrolytes. <i>Journal of Electronic Materials</i> , 2020, 49, 4028-4044.	1.0	9
86	Interference enhanced Raman scattering of hydrogenated amorphous silicon revisited. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 23-25.	1.2	8
87	Graphene-based hybrid aerogels with carbon nanotubes: Mesoporous network functionality promoted defect density and electrochemical activity correlations. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	8
88	Optoelectronic Properties of MoS_2 /Graphene Heterostructures Prepared by Dry Transfer for Light-Induced Energy Applications. <i>Journal of Electronic Materials</i> , 2022, 51, 4257-4269.	1.0	8
89	Interplay of hydrogen and deposition temperature in optical properties of hot-wire deposited $a-Si:H$ Films: Ex situ spectroscopic ellipsometry studies. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2005, 23, 1668-1675.	0.9	7
90	Electron beam-induced surface modification and nano-engineering of carbon nanotubes: Single-walled and multiwalled. <i>Journal of Materials Research</i> , 2006, 21, 3109-3123.	1.2	7

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91	Detection of DNA bases and environmentally relevant biomolecules and monitoring ssDNA hybridization by noble metal nanoparticles decorated graphene nanosheets as ultrasensitive SERS platforms. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 930-948.	1.2	7
92	Study of diamond films grown at low temperatures and pressures by ECR-assisted CVD. <i>Diamond and Related Materials</i> , 1999, 8, 185-188.	1.8	6
93	Polarized Raman spectroscopy study of phase transitions in 0.915Pb(Zn1/3Nb2/3)O3-0.085PbTiO3 relaxor ferroelectric single crystals. <i>Ferroelectrics, Letters Section</i> , 2000, 27, 39-48.	0.4	6
94	Advanced Carbon-based Material as Space Radiation Shields. <i>Materials Research Society Symposia Proceedings</i> , 2004, 851, 367.	0.1	6
95	Investigating point defects in irradiated boron-doped diamond films by temperature-dependent electrical properties and scanning tunneling microscopy and spectroscopy. <i>Journal of Materials Research</i> , 2010, 25, 444-457.	1.2	6
96	Correlated KPFM and TERS imaging to elucidate defect-induced inhomogeneities in oxygen plasma treated 2D MoS2 nanosheets. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	6
97	Characterization of Single- and Multi-walled Carbon Nanotubes at Microwave Frequencies. <i>Conference Record - IEEE Instrumentation and Measurement Technology Conference</i> , 2007, , .	0.0	5
98	Structural changes in single membranes in response to an applied transmembrane electric potential revealed by time-resolved neutron/X-ray interferometry. <i>Chemical Physics</i> , 2013, 422, 283-289.	0.9	5
99	Performance of Indium Gallium Zinc Oxide Thin-Film Transistors in Saline Solution. <i>Journal of Electronic Materials</i> , 2016, 45, 3192-3194.	1.0	5
100	Interplay of topologically interconnected mesoporous network and defects number density in improving electroactivity of graphene-single-walled carbon nanotube aerogels. <i>Journal of Applied Physics</i> , 2019, 125, 174301.	1.1	5
101	Influence of sulfur incorporation on field-emission properties of microcrystalline diamond thin films. <i>Journal of Materials Research</i> , 2003, 18, 2708-2716.	1.2	4
102	Residual stress, intermolecular force, and frictional properties distribution maps of diamond films for micro- and nano-electromechanical (M/NEMS) applications. <i>Journal of Materials Research</i> , 2006, 21, 3037-3046.	1.2	4
103	Complex permittivity and permeability of single- and multi-walled carbon nanotubes at high microwave frequencies and quantifying microwave absorption. , 2007, , .		4
104	Surface Redox Chemistry of Immobilized Nanodiamond: Effects of Particle Size and Electrochemical Environment. <i>Journal of Electronic Materials</i> , 2017, 46, 4512-4526.	1.0	4
105	Dry and hydrated defective molybdenum Disulfide/Graphene bilayer heterojunction under strain for hydrogen evolution from water Splitting: A First-principle study. <i>Computational Materials Science</i> , 2022, 205, 111234.	1.4	4
106	Computational data of molybdenum disulfide/graphene bilayer heterojunction under strain. <i>Data in Brief</i> , 2022, 42, 108054.	0.5	3
107	Temperature dependent Raman scattering study of order-disorder lead zinc niobate. <i>Integrated Ferroelectrics</i> , 2000, 29, 75-85.	0.3	2
108	Investigations of dc electrical properties in electron-beam modified carbon nanotube films: single- and multiwalled. <i>Materials Research Society Symposia Proceedings</i> , 2005, 887, 1.	0.1	2

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109	Optoelectronic surface-related properties in boron-doped and irradiated diamond thin films. Journal of Applied Physics, 2012, 111, 023704.	1.1	2
110	Facile Synthesis of Water-Soluble Graphene Quantum Dots/Graphene for Efficient Photodetector. MRS Advances, 2018, 3, 817-824.	0.5	2
111	Elucidating the effects of oxygen- and nitrogen-containing functional groups in graphene nanomaterials for applied electrochemistry by density functional theory. Journal of Applied Physics, 2021, 130, .	1.1	2
112	Hydrothermal Synthesis of Vanadium Pentoxidesâ€“Reduced Graphene Oxide Composite Electrodes for Enhanced Electrochemical Energy Storage. MRS Advances, 2016, 1, 3049-3055.	0.5	2
113	Effects of Seeding Over the Microstructure and Stresses of Diamond Thin Films. Materials Research Society Symposia Proceedings, 1999, 594, 337.	0.1	1
114	Effects of Sulfur Concentration on the Electron Field Emission Properties of Nanocrystalline Carbon Thin Films. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
115	Irradiation-induced structural modifications in multifunctional nanocarbons. Materials Research Society Symposia Proceedings, 2006, 956, 1.	0.1	1
116	Ion transport and electrochemical tuning of Fermi level in single-wall carbon nanotubes: In situ Raman scattering. Journal of Materials Research, 2007, 22, 603-614.	1.2	1
117	Surface Roughness and Critical Exponent Analyses of Boron-Doped Diamond Films Using Atomic Force Microscopy Imaging: Application of Autocorrelation and Power Spectral Density Functions. Journal of Electronic Materials, 2014, 43, 3436-3448.	1.0	1
118	Importance of Topology in Materials Science. Springer Series in Solid-state Sciences, 2018, , 3-33.	0.3	1
119	Curvature distribution and autocorrelations in elliptic cylinders and cones. AIP Advances, 2019, 9, 085304.	0.6	1
120	Investigation of Temperature and Composition Dependence of Relaxor Ferroelectric (1-x)PZN :xPT Using Micro-Raman Spectroscopy. Materials Research Society Symposia Proceedings, 1998, 547, 145.	0.1	0
121	Micro-Raman Study of Self-Assembled Nanostructures: (1âˆ’x)PZN:xPT Solid Solution. Materials Research Society Symposia Proceedings, 1999, 581, 529.	0.1	0
122	Investigation of the Layered Structure of Polycrystalline Diamond Thin Films Grown by ECR-Assisted CVD by Spectroscopic Phase Modulated Ellipsometry. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	0
123	PROBING BOSE-EINSTEIN CONDENSATES WITH OPTICAL BRAGG SCATTERING. , 2000, , .		0
124	Low-Field Electron Emission Properties from Intrinsic and S-Incorporated Nanocrystalline Carbon Thin Films Grown by Hot- Filament CVD. Materials Research Society Symposia Proceedings, 2000, 638, 1.	0.1	0
125	Optical Characterization and Modeling of Sulfur Incorporated Nanocrystalline Carbon Thin Films Deposited By Hot Filament CVD. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	0
126	Transport of Bose-Einstein condensates using optical tweezers. , 0, , .		0

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127	Charge Transfer Dynamics in Single-Wall Carbon Nanotubes Mat: In Situ Raman Spectroscopy. Materials Research Society Symposia Proceedings, 2003, 785, 931.	0.1	0
128	Electrochemical Tuning of Single-Wall Carbon Nanotube Mat and Investigations on Actuator Mechanism. Materials Research Society Symposia Proceedings, 2004, 855, 72.	0.1	0
129	Carbon Nanotubes as Potential Cold Cathodes for Vacuum Microelectronic Applications. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
130	Self-Assembled Conductive Network of Carbon Nanotubes in Polyaniline Forming Potential Nanocomposites. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
131	Novel Nanocarbons: Global Topology and Curvature Perspectives. Materials Research Society Symposia Proceedings, 2006, 960, 1.	0.1	0
132	Residual Stress Distribution, Intermolecular Force, And Frictional Coefficient Maps In Diamond Films: Processing-Structure-Mechanical Property Relationship. Materials Research Society Symposia Proceedings, 2006, 977, 1.	0.1	0
133	Nanodomain Size Distribution in Relaxor Ferroelectrics Determined from Temperature Dependent Raman Scattering. Materials Research Society Symposia Proceedings, 2006, 966, 1.	0.1	0
134	Engineered surfaces of multifunctional and molecular diamond for biosensing. , 2007, , .		0
135	Hydrogen-terminated boron-doped diamond films under intense gamma irradiation. , 2007, , .		0
136	Curved Nanocarbons: Probing the Curvature and Topology Effects Using Phonon Spectra. , 2010, , .		0
137	Single-Walled Carbon Nanotubes and Dispersed Nanodiamond Hybrids: Structure and Hierarchical Defects Evolution by Irradiation. , 2010, , .		0
138	VORTEX EXCITATIONS IN A BOSE-EINSTEIN CONDENSATE. , 2002, , .		0