Saveria Santangelo

List of Publications by Year
in descending order

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171 papers	4,002 citations	186265 28 h-index	144013 57 g-index

175 all docs	175 docs citations	175 times ranked	6201 citing authors

#	Article	IF	Citations
1	Effect of Nature and Location of Defects on Bandgap Narrowing in Black TiO₂ Nanoparticles. Journal of the American Chemical Society, 2012, 134, 7600-7603.	13.7	1,464
2	Evaluation of crystalline perfection degree of multiâ€walled carbon nanotubes: correlations between thermal kinetic analysis and microâ€Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 593-602.	2.5	80
3	Vibrational properties and microstructure of reactively sputtered hydrogenated carbon nitrides. Journal of Applied Physics, 2002, 91, 1155-1165.	2.5	70
4	Hydrogen sensing characteristics of Pt/TiO 2 /MWCNTs composites. International Journal of Hydrogen Energy, 2012, 37, 1842-1851.	7.1	68
5	High-Temperature Growth of Graphene Films on Copper Foils by Ethanol Chemical Vapor Deposition. Journal of Physical Chemistry C, 2013, 117, 21569-21576.	3.1	68
6	Aid of Scaling Laws in the Achievement of a Well-Controlled Film Deposition Process. , 0, , 1-21.		63
7	Influence of reaction parameters on the activity of ruthenium based catalysts for glycerol steam reforming. Applied Catalysis B: Environmental, 2012, 121-122, 40-49.	20.2	63
8	Niobium pentoxide nanomaterials with distorted structures as efficient acid catalysts. Communications Chemistry, 2019, 2, .	4.5	59
9	Microâ€Raman and photoluminescence analysis of composite vanadium oxide/polyâ€vinyl acetate fibres synthesised by electroâ€spinning. Journal of Raman Spectroscopy, 2012, 43, 761-768.	2.5	53
10	Effect of sulphuricâ€“nitric acid mixture composition on surface chemistry and structural evolution of liquidâ€phase oxidised carbon nanotubes. Journal of Raman Spectroscopy, 2012, 43, 1432-1442.	2.5	52
11	Exploiting the Condensation Reactions of Acetophenone to Engineer Carbonâ€Encapsulated Nb₂O₅ Nanocrystals for Highâ€Performance Li and Na Energy Storage Systems. Advanced Energy Materials, 2019, 9, 1902813.	19.5	49
12	Electrospun Nanomaterials for Energy Applications: Recent Advances. Applied Sciences (Switzerland), 2019, 9, 1049.	2.5	49
13	Polylactide and carbon nanotubes/smectite-clay nanocomposites: Preparation, characterization, sorptive and electrical properties. Applied Clay Science, 2011, 53, 188-194.	5.2	48
14	On the hydrogen sensing mechanism of Pt/TiO2/CNTs based devices. Sensors and Actuators B: Chemical, 2013, 178, 473-484.	7.8	46
15	Large-scale production of high-quality multi-walled carbon nanotubes: Role of precursor gas and of Fe-catalyst support. Diamond and Related Materials, 2008, 17, 1482-1488.	3.9	45
16	Micro-Raman analysis of titanium oxide/carbon nanotubes-based nanocomposites for hydrogen sensing applications. Journal of Solid State Chemistry, 2010, 183, 2451-2455.	2.9	44
17	Chemical Modification of Graphene Oxide through Diazonium Chemistry and Its Influence on the Structureâ€“Property Relationships of Graphene Oxideâ€“Iron Oxide Nanocomposites. Chemistry - A European Journal, 2015, 21, 12465-12474.	3.3	38
18	Optical absorption spectra of some transition metal thiophosphates. Solid State Ionics, 1986, 20, 9-15.	2.7	37

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19	Raman gain in niobium-phosphate glasses. Applied Physics Letters, 2009, 94, .	3.3	36
20	Optimisation of gas mixture composition for the preparation of high quality MWCNT by catalytically assisted CVD. Diamond and Related Materials, 2007, 16, 1095-1100.	3.9	34
21	Electro-spun graphene-enriched carbon fibres with high nitrogen-contents for electrochemical water desalination. Desalination, 2018, 428, 40-49.	8.2	34
22	Study of strain and wetting phenomena in porous silicon by Raman scattering. Journal of Raman Spectroscopy, 2008, 39, 199-204.	2.5	32
23	High quality CVD diamond: a Raman scattering and photoluminescence study. European Physical Journal B, 2001, 20, 133-139.	1.5	31
24	Relationship between composition and position of Raman and IR peaks in amorphous carbon alloys. Surface and Coatings Technology, 2002, 151-152, 257-262.	4.8	31
25	Influence of Carbon Source and Fe-Catalyst Support on the Growth of Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 3815-3823.	0.9	31
26	Evaluation of Entropyâ€Stabilized (Mg_{0.2}Co_{0.2}Ni_{0.2}Cu_{0.2}Zn_{0.2})O Oxides Produced via Solvothermal Method or Electrospinning as Anodes in Lithiumâ€Ion Batteries. Advanced Functional Materials, 2022, 32, .	14.9	31
27	Nature of non-D and non-G bands in Raman spectra of a-C:H(N) films grown by reactive sputtering. Journal of Applied Physics, 2001, 89, 1053-1058.	2.5	30
28	Soft x-ray absorption of FePS3 and NiPS3. Solid State Communications, 1984, 51, 467-472.	1.9	29
29	Micro-Raman investigation of vanadium-oxide coated tubular carbon nanofibers for gas-sensing applications. Diamond and Related Materials, 2010, 19, 590-594.	3.9	29
30	Catalytic Wet Air Oxidation of p-Coumaric Acid over Carbon Nanotubes and Activated Carbon. Industrial & Engineering Chemistry Research, 2011, 50, 9043-9053.	3.7	29
31	Taguchi optimized synthesis of graphene films by copper catalyzed ethanol decomposition. Diamond and Related Materials, 2014, 41, 73-78.	3.9	29
32	Role of the carbon defects in the catalytic oxygen reduction by graphite nanoparticles: a spectromagnetic, electrochemical and computational integrated approach. Physical Chemistry Chemical Physics, 2019, 21, 6021-6032.	2.8	27
33	Electrochemical characterization of highly abundant, low cost iron (III) oxide as anode material for sodium-ion rechargeable batteries. Electrochimica Acta, 2018, 269, 367-377.	5.2	26
34	Electronic conduction in the layered semiconductor MnPS3. Journal of Physics Condensed Matter, 1989, 1, 3337-3347.	1.8	25
35	Low-frequency Raman study of hollow multiwalled nanotubes grown by Fe-catalyzed chemical vapor deposition. Journal of Applied Physics, 2006, 100, 104311.	2.5	24
36	CO₂sensing properties of electro-spun Ca-doped ZnO fibres. Nanotechnology, 2018, 29, 305501.	2.6	24

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37	Shapedâ€controlled siliconâ€doped hematite nanostructures for enhanced PEC water splitting. Catalysis Today, 2019, 328, 43-49.	4.4	24
38	Electronic transport properties ofNiPS3. Physical Review B, 1988, 37, 4419-4424.	3.2	23
39	Evaluation of the Overall Crystalline Quality of Amorphous Carbon Containing Multiwalled Nanotubes. Journal of Physical Chemistry C, 2013, 117, 4815-4823.	3.1	23
40	Comparing the Performance of Nb₂O₅ Composites with Reduced Graphene Oxide and Amorphous Carbon in Liâ€and Naâ€ion Electrochemical Storage Devices. ChemElectroChem, 2020, 7, 1689-1698.	3.4	23
41	Characterisation and H 2 O 2 sensing properties of TiO 2 -CNTs/Pt electro-catalysts. Materials Chemistry and Physics, 2016, 170, 129-137.	4.0	22
42	Electro-spun Co3O4 anode material for Na-ion rechargeable batteries. Solid State Ionics, 2017, 309, 41-47.	2.7	22
43	Electrospun C/GeO 2 paper-like electrodes forÂflexible Li-ion batteries. International Journal of Hydrogen Energy, 2017, 42, 28102-28112.	7.1	22
44	Are Electrospun Fibrous Membranes Relevant Electrode Materials for Liâ€ion Batteries? The Case of the C/Ge/GeO₂ Composite Fibers. Advanced Functional Materials, 2018, 28, 1800938.	14.9	22
45	Photocatalytic degradation of methylene blue dye by porous zinc oxide nanofibers prepared via electrospinning: When defects become merits. Applied Surface Science, 2021, 557, 149830.	6.1	22
46	Controlled surface functionalization of carbon nanotubes by nitric acid vapors generated from sub-azeotropic solution. Surface and Interface Analysis, 2016, 48, 17-25.	1.8	21
47	Trimetallic Ni-Based Catalysts over Gadolinia-Doped Ceria for Green Fuel Production. Catalysts, 2018, 8, 435.	3.5	20
48	Evaluation of the electrochemical performance of electrospun transition metal oxide-based electrode nanomaterials for water CDI applications. Electrochimica Acta, 2019, 309, 125-139.	5.2	20
49	Are Electrospun Carbon/Metal Oxide Composite Fibers Relevant Electrode Materials for Li-Ion Batteries?. Journal of the Electrochemical Society, 2016, 163, A2930-A2937.	2.9	19
50	Raman and photoluminescence analysis of CVD diamond films: influence of Si-related luminescence centre on the film detection properties. Diamond and Related Materials, 2004, 13, 923-928.	3.9	18
51	Transition Metal Oxides on Reduced Graphene Oxide Nanocomposites: Evaluation of Physicochemical Properties. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	18
52	Bacterial-cellulose-derived carbonaceous electrode materials for water desalination via capacitive method: The crucial role of defect sites. Desalination, 2020, 492, 114596.	8.2	18
53	Structure, Defects, and Magnetism of Electrospun Hematite Nanofibers Silica-Coated by Atomic Layer Deposition. Langmuir, 2020, 36, 1305-1319.	3.5	18
54	High-Entropy Spinel Oxides Produced via Sol-Gel and Electrospinning and Their Evaluation as Anodes in Li-Ion Batteries. Applied Sciences (Switzerland), 2022, 12, 5965.	2.5	18

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55	Electron scattering in microstructure processes. Rivista Del Nuovo Cimento, 1992, 15, 1-57.	5.7	17
56	High quality CVD diamond for detection applications: structural characterization. Diamond and Related Materials, 2001, 10, 1788-1793.	3.9	17
57	Experiments on C nanotubes synthesis by Fe-assisted ethane decomposition. Diamond and Related Materials, 2008, 17, 318-324.	3.9	17
58	K10 Montmorillonite Based Catalysts for the Growth of Multiwalled Carbon Nanotubes through Catalytic Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 2010, 49, 3242-3249.	3.7	17
59	Raman scattering in boron-doped single-crystal diamond used to fabricate Schottky diode detectors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2476-2481.	2.3	17
60	A safer and flexible method for the oxygen functionalization of carbon nanotubes by nitric acid vapors. Applied Surface Science, 2014, 303, 446-455.	6.1	17
61	Study of the valence bands of FePS3 and NiPS3 by resonant-photoemission spectroscopy. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1984, 4, 444-452.	0.4	16
62	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. Journal of Materials Science, 2010, 45, 783-792.	3.7	16
63	Structural characterisation of ionising-radiation detectors based on CVD diamond films. Microsystem Technologies, 1999, 6, 23-29.	2.0	15
64	Influence of metalâ€“diamond interfaces on the response of UV photoconductors. Diamond and Related Materials, 2001, 10, 698-705.	3.9	15
65	Effect of calcium- and/or aluminum-incorporation on morphological, structural and photoluminescence properties of electro-spun zinc oxide fibers. Materials Research Bulletin, 2017, 92, 9-18.	5.2	15
66	Aid of Raman spectroscopy in diagnostics of MWCNT synthesised by Fe-catalysed CVD. Journal of Physics: Conference Series, 2007, 61, 931-935.	0.4	14
67	Optimization of CVD growth of CNT-based hybrids using the Taguchi method. Materials Research Bulletin, 2012, 47, 595-601.	5.2	14
68	Origin of the different behavior of some platinum decorated nanocarbons towards the electrochemical oxidation of hydrogen peroxide. Materials Chemistry and Physics, 2016, 184, 269-278.	4.0	14
69	A joint macro-/micro- Raman investigation of the diamond lineshape in CVD films: the influence of texturing and stress. Diamond and Related Materials, 2001, 10, 1535-1543.	3.9	13
70	A new approach to the synthesis of titania nano-powders enriched with very high contents of carbon nanotubes by electro-spinning. Materials Chemistry and Physics, 2015, 153, 338-345.	4.0	13
71	Radioactivity, radiological risk and metal pollution assessment in marine sediments from Calabrian selected areas, southern Italy. European Physical Journal Plus, 2018, 133, 1.	2.6	13
72	Photoconductive properties of single-crystal CVD diamond. Physica Status Solidi A, 2003, 199, 113-118.	1.7	12

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73	Diamond-based photoconductors for deep UV detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 188-191.	1.6	12
74	Single crystal diamond detectors grown by chemical vapor deposition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 299-302.	1.6	12
75	Stabilization of Titanium Dioxide Nanoparticles at the Surface of Carbon Nanomaterials Promoted by Microwave Heating. Chemistry - A European Journal, 2015, 21, 14901-14910.	3.3	12
76	Comparative life cycle assessment of Fe2O3-based fibers as anode materials for sodium-ion batteries. Environment, Development and Sustainability, 2021, 23, 6786-6799.	5.0	12
77	M2, 3 absorption spectra of transition metal ion in MnPS3, FePS3 and NiPS3. Solid State Communications, 1986, 60, 381-384.	1.9	11
78	Physical approximants to electron scattering. Microelectronic Engineering, 1997, 34, 147-154.	2.4	11
79	Synergistic Effects of Active Sitesâ€™ Nature and Hydrophilicity on the Oxygen Reduction Reaction Activity of Pt-Free Catalysts. Nanomaterials, 2018, 8, 643.	4.1	11
80	Homoepitaxial CVD diamond: Raman and time-resolved PL characterization. Diamond and Related Materials, 2006, 15, 1976-1979.	3.9	10
81	Exciton condensation in homoepitaxial chemical vapor deposition diamond. Journal of Applied Physics, 2009, 106, 053528.	2.5	10
82	Correlation between carbon nanotube microstructure and their catalytic efficiency towards the p-coumaric acid degradation. Current Applied Physics, 2013, 13, 748-752.	2.4	10
83	Synthesis of three-dimensional macro-porous networks of carbon nanotubes by chemical vapor deposition of methane on Co/Mo/Mg catalyst. Applied Catalysis A: General, 2015, 505, 487-493.	4.3	10
84	Effect of Hematite Doping with Aliovalent Impurities on the Electrochemical Performance of Î±-Fe2O3@rGO-Based Anodes in Sodium-Ion Batteries. Nanomaterials, 2020, 10, 1588.	4.1	10
85	Spectral response of large area CVD diamond photoconductors for space applications in the vacuum UV. Diamond and Related Materials, 2003, 12, 1819-1824.	3.9	9
86	Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition. Diamond and Related Materials, 2010, 19, 599-603.	3.9	9
87	Photocatalytic Degradation of Methylene Blue Dye by Electrospun Binary and Ternary Zinc and Titanium Oxide Nanofibers. Applied Sciences (Switzerland), 2021, 11, 9720.	2.5	9
88	Monte Carlo modelling of electron beam lithography: a scaling law. Microsystem Technologies, 1994, 1, 23-29.	2.0	8
89	Comparative study of band-A cathodoluminescence and Raman spectroscopy in CVD diamond films. Diamond and Related Materials, 1999, 8, 640-644.	3.9	8
90	Multiâ€walled carbon nanotubes production by ethane decomposition over silicaâ€supported ironâ€catalysts. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2422-2427.	1.8	8

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91	Enhanced optical response of ZnO/Ag nanocolloids prepared by a picosecond laser. Journal of Luminescence, 2016, 178, 204-209.	3.1	8
92	Effect of Ti- or Si-doping on nanostructure and photo-electro-chemical activity of electro-spun iron oxide fibres. International Journal of Hydrogen Energy, 2017, 42, 28070-28081.	7.1	8
93	X-ray mask making by EBL and Monte Carlo analysis of a single-resist layer process on low-z membrane. Microelectronic Engineering, 1989, 9, 147-150.	2.4	7
94	Simulation of 64 megabit lithography in XRL masks obtained by single-layer process on Si substrates. Microelectronic Engineering, 1990, 11, 625-628.	2.4	7
95	Role of the film texturing on the response of particle detectors based on CVD diamond. Microsystem Technologies, 1999, 5, 151-156.	2.0	7
96	Effects of hydrogen incorporation on structural relaxation and vibrational properties of a-CN:H thin films grown by reactive sputtering. Diamond and Related Materials, 2002, 11, 1166-1171.	3.9	7
97	Highly Versatile and Efficient Process for CNT Oxidation in Vapor Phase by Means of Mg(NO3)2â€'HNO3â€'H2O Ternary Mixture. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1-5.	2.1	7
98	Zinc oxide nanocolloids prepared by picosecond pulsed laser ablation in water at different temperatures. EPJ Web of Conferences, 2018, 167, 04008.	0.3	7
99	The generalized backscattering coefficient: A novel parameter in electron scattering processes. Microelectronic Engineering, 1992, 17, 385-388.	2.4	6
100	Multi-wavelength Raman investigation of sputtered a-C film nanostructure. Surface and Coatings Technology, 2006, 200, 5427-5434.	4.8	6
101	Raman and photoluminescence study of hot filament CVD diamond films grown on WCâ€"Co substrates. Journal of Raman Spectroscopy, 2008, 39, 157-163.	2.5	6
102	Influence of gas-mixture composition on yield, purity and morphology of carbon nanotubes grown by catalytic isobutane-decomposition. Diamond and Related Materials, 2009, 18, 360-363.	3.9	6
103	Compositional and Mineralogical Analysis of Marine Sediments from Calabrian Selected Areas, Southern Italy. International Journal of Environmental Research, 2019, 13, 571-580.	2.3	6
104	Radiological assessment, mineralogy and geochemistry of the heavy-mineral placers from the Calabrian coast (South Italy). Journal of Instrumentation, 2019, 14, P05015-P05015.	1.2	6
105	Synthesis and characterization of Fe2O3 /reduced graphene oxide nanocomposite as a high-performance anode material for sodium-ion batteries. Modelling, Measurement and Control B: Solid and Fluid Mechanics and Thermics, Mechanical Systems, 2018, 87, 129-134.	0.4	6
106	Valence and conduction bands in MPS3 layered compounds studied by synchrotron radiation. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1986, 8, 263-278.	0.4	5
107	Short-range and long-range scattering in electron beam lithography. Microelectronic Engineering, 1993, 20, 241-253.	2.4	5
108	On the correlation between CVD growth conditions and crystalline quality and abundance of multi-walled carbon nanotubes. EPJ Applied Physics, 2008, 41, 237-242.	0.7	5

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109	Single-crystal diamond MIS diode for deep UV detection. Radiation Effects and Defects in Solids, 2010, 165, 737-745.	1.2	5
110	Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications. Diamond and Related Materials, 2011, 20, 532-537.	3.9	5
111	Interplay of structural and magnetic nanoscale phase separation in layered cobaltites. Physical Review B, 2015, 92, .	3.2	5
112	Effect of Germanium Incorporation on the Electrochemical Performance of Electrospun Fe2O3 Nanofibers-Based Anodes in Sodium-Ion Batteries. Applied Sciences (Switzerland), 2021, 11, 1483.	2.5	5
113	Structural and Functional Characterization of HPHT Diamond Crystals Used in Photoconductive Devices. Physica Status Solidi A, 2000, 181, 91-97.	1.7	4
114	Pulse height defect in pCVD and scCVD diamond based detectors. Diamond and Related Materials, 2006, 15, 1986-1989.	3.9	4
115	Raman analysis of MWCNTs produced by catalytic CVD: derivation of a scaling law for the growth parameters. Journal of Raman Spectroscopy, 2008, 39, 141-146.	2.5	4
116	Crystalline Quality Evaluation of Carbon Nanotubes by Kinetic Analysis in Quasiâ€‰isothermal Conditions. ChemPhysChem, 2010, 11, 1925-1931.	2.1	4
117	On the CVD Growth of C Nanotubes over Fe-Loaded Montmorillonite Catalysts. Nanomaterials and Nanotechnology, 2011, 1, 15.	3.0	4
118	Effect of Fe load on the synthesis of C nanotubes by isobutane decomposition over Na-exchanged montmorillonite-clay catalysts. Diamond and Related Materials, 2012, 23, 54-60.	3.9	4
119	Microstructure of anatase-based hybrid nanocomposites. Journal Physics D: Applied Physics, 2013, 46, 125303.	2.8	4
120	Do Nanotubes Follow an Amorphization Trajectory as Other Nanocarbons Do?. Journal of Physical Chemistry C, 2013, 117, 14206-14212.	3.1	4
121	Influence of the Cobalt Phase on the Highly Efficient Growth of MWNTs. Nanomaterials and Nanotechnology, 2014, 4, 5.	3.0	4
122	Electrospun Ag/PMA Nanofibrous Scaffold as a Drug Delivery System. Current Nanomaterials, 2019, 4, 32-38.	0.4	4
123	On the plasmon-assisted detection of a 1585â€‰cmâ^'1 mode in the 532â€‰nm Raman spectra of crystalline Î±-Fe2O3/polycrystalline NiO core/shell nanofibers. Applied Physics Letters, 2021, 118, .	3.3	4
124	Iron-catalyst performances in carbon nanotube growth by chemical vapour deposition. EPJ Applied Physics, 2008, 44, 171-180.	0.7	4
125	Raman characterisation and hardness properties of diamond-like carbon films grown by pulsed laser deposition technique. Microsystem Technologies, 1999, 6, 30-36.	2.0	3
126	Evidence for the existence of scaling laws correlating the deposition parameters and the Raman spectra features in thin a-C:N:H films deposited by reactive r.f. sputtering. Vacuum, 2002, 67, 537-542.	3.5	3

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127	Analysis of trappingâ€“detrapping defects in high quality single crystal diamond films grown by Chemical Vapor Deposition. Diamond and Related Materials, 2006, 15, 1878-1881.	3.9	3
128	Characterization of homoepitaxial CVD diamond grown at moderate microwave power. Diamond and Related Materials, 2006, 15, 517-521.	3.9	3
129	Characterization of homoepitaxial diamond for ionizing radiation detectors. Journal of Non-Crystalline Solids, 2006, 352, 2575-2579.	3.1	3
130	Fast growth of polycrystalline graphene by chemical vapor deposition of ethanol on copper. , 2014, , .		3
131	Electron scattering effects in additive patterning of XRL masks for 0.2 micron resolution. Microelectronic Engineering, 1991, 13, 197-200.	2.4	2
132	Monte Carlo analysis of electron scattering in microstructure processes in the 0.2 Î¼m region. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1991, 13, 1049-1059.	0.4	2
133	Application of the Î theorem of dimensional analysis to electron scattering in multi-component systems. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1996, 18, 1005-1018.	0.4	2
134	Numerical approximation of the physical laws governing scattering in electron beam lithography. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1998, 20, 1201-1208.	0.4	2
135	A single quality factor for the deposition process of reactively sputtered thin a-C:H:N films. Journal of Non-Crystalline Solids, 2003, 318, 322-330.	3.1	2
136	A single growth quality indicator for film property tailoring. Diamond and Related Materials, 2004, 13, 1391-1397.	3.9	2
137	Optical Characterisation of High-Quality Homoepitaxial Diamond. Topics in Applied Physics, 2006, , 345-358.	0.8	2
138	Measurements of adsorption strain in porous silicon by Raman scattering. , 2007, , .		2
139	Spectroscopic investigation of homoepitaxial CVD diamond for detection applications. Diamond and Related Materials, 2008, 17, 372-376.	3.9	2
140	Investigation of Porous Silicon Wetting by Raman Scattering. Spectroscopy Letters, 2008, 41, 174-178.	1.0	2
141	Enhanced Raman gain coefficients and bandwidths of sodium-niobium-phosphate glasses for Raman gain media. , 2009, , .		2
142	Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 1286-1295.	0.9	2
143	Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design. Journal of Nanoscience and Nanotechnology, 2012, 12, 2424-2436.	0.9	2
144	Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives. Journal of Nanoscience and Nanotechnology, 2012, 12, 4786-4797.	0.9	2

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145	Micro-Raman Analysis of Three-Dimensional Macroporous Sponge-Like Network of Carbon Nanotubes under Tension. Journal of Physical Chemistry C, 2014, 118, 13912-13919.	3.1	2
146	Surface Chemistry and Thermal Stability in Air of Carbon Nanotubes Functionalised via a Novel Eco-Friendly Approach to HNO₃Vapor Oxidation. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 83-92.	2.1	2
147	Light-matter Interaction Under Intense Field Conditions: Nonlinear Optical Properties of Metallic-dielectric Nanostructures. Current Nanomaterials, 2019, 4, 51-62.	0.4	2
148	Evaluation of Electrospun Self-Supporting Paper-Like Fibrous Membranes as Oil Sorbents. Membranes, 2021, 11, 515.	3.0	2
149	Experimental test of high-resolution process modelling in electron beam lithography at 25 to 50 keV. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1993, 15, 1345-1359.	0.4	1
150	Â«BuckinghamÂ» approximants to physical laws. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1995, 17, 523-535.	0.4	1
151	A single quality factor for electron backscattering from thin films. Microelectronic Engineering, 1995, 27, 183-186.	2.4	1
152	Nature of band-A cathodoluminescence inCVD diamond films. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1998, 20, 1193-1200.	0.4	1
153	A qualitative indicator for preliminary diagnostics of a-C based coatings. Physica Status Solidi A, 2003, 199, 335-346.	1.7	1
154	Semi-empirical derivation of the physical approximants to a-CN:H film deposition. Diamond and Related Materials, 2005, 14, 1331-1341.	3.9	1
155	Nucleation Process of CVD Diamond on Molybdenum Substrates. , 0, , 329-343.		1
156	Study of in-gap defects in intrinsic and B-doped a-Si1â^'xCx:H by photo-induced optical absorption and photoluminescence. Journal of Non-Crystalline Solids, 2006, 352, 2647-2651.	3.1	1
157	Light Emission Properties of Thermally Evaporated CH3NH3PbBr3 Perovskite from Nano- to Macro-Scale: Role of Free and Localized Excitons. Nanomaterials, 2022, 12, 211.	4.1	1
158	Modeling of electron beam scattering in high resolution lithography for the fabrication of X-Ray masks. European Transactions on Telecommunications, 1990, 1, 143-147.	1.2	0
159	Electron scattering of low-Z high-density materials in X-ray mask patterning. Microelectronic Engineering, 1993, 20, 291-304.	2.4	0
160	Electron scattering of diamond membranes in x-ray mask fabrication. Microelectronic Engineering, 1993, 21, 91-94.	2.4	0
161	Perspectives in electron scattering by microstructures. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1993, 15, 531-539.	0.4	0
162	The role of electron scattering in x-ray reflection masks. Microelectronic Engineering, 1994, 26, 49-61.	2.4	0

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163	Tungsten/carbon masks in x-ray projection lithography. Microelectronic Engineering, 1994, 23, 421-425.	2.4	0
164	Simulation of electron-scattering properties of diamond membranes in X-ray mask fabrication. Diamond and Related Materials, 1994, 3, 942-946.	3.9	0
165	Study of the effects on the Raman spectra of adsorption strain in porous silicon. , 2007, , .		0
166	Yield And Quality Optimization For MWNT Prepared By Catalytic CVD. AIP Conference Proceedings, 2007, , .	0.4	0
167	Feâ€catalysed synthesis of C nanotubes by iâ€C₄H₁₀ decomposition: Advantages and problems deriving from H₂ addition to the growth ambient. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1887-1894.	1.8	0
168	On the Amorphisation Trajectory of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2014, 1700, 9-14.	0.1	0
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