Saveria Santangelo

List of Publications by Year
in descending order

155 papers	3,691 citations	195140 26 h-index	131775 56 g-index
157 all docs	157 docs citations	157 times ranked	5755 citing authors

#	Article	IF	Citations
1	Spinelâ€Structured Highâ€Entropy Oxide Nanofibers as Electrocatalysts for Oxygen Evolution in Alkaline Solution: Effect of Metal Combination and Calcination Temperature. Advanced Functional Materials, 2024, 34, .	17.1	26
2	Structure and magnetism of electrospun porous high-entropy (Cr_{1/5}Mn_{1/5}Fe_{1/5}Co_{1/5}Ni_{1/5})₃O₄, (Cr_{1/5}Mn_{1/5}Fe_{1/5}Co_{1/5}Zn_{1/5})₃O₄ and (Cr_{1/5}Mn_{1/5}Fe_{1/5}Ni_{1/5}Zn_{1/5})₃O₄ spinel oxide nanofibers. Physical Chemistry Chemical Physics, 2023, 25, 2212-2226.	2.8	12
3	Evaluation of the Specific Capacitance of High-Entropy Oxide-Based Electrode Materials in View of Their Use for Water Desalination via Capacitive Method. Applied Sciences (Switzerland), 2023, 13, 721.	2.6	6
4	Evaluation of electrospun spinel-type high-entropy (Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Ni_{0.2})₃O₄, (Cr_{0.2}Mn_{0.2}Fe_{0.2}Co_{0.2}Zn_{0.2})₃O₄ and (Cr_{0.2}Mn_{0.2}Fe_{0.2}Ni_{0.2}Zn_{0.2})₃O₄ oxide nanofibers as electrocatalysts for oxygen evolution in alkaline medium. Energy Advances, 2023,	4.2	17
5	All-Perovskite Tandem Solar Cells: From Certified 25% and Beyond. Energies, 2023, 16, 3519.	3.4	12
6	Charge Storage Mechanism in Electrospun Spinelâ€Structured Highâ€Entropy (Mn_{0.2}Fe_{0.2}Co_{0.2}Ni_{0.2}Zn_{0.2})₃O₄ Oxide Nanofibers as Anode Material for Liâ€Ion Batteries. Small, 2023, 19, .	11.6	36
7	Enhanced ORR activity of S- and N-modified non-noble metal-doped carbons with bamboo-like C nanotubes grafted onto their surface. Electrochimica Acta, 2023, 464, 142946.	5.4	4
8	Light Emission Properties of Thermally Evaporated CH3NH3PbBr3 Perovskite from Nano- to Macro-Scale: Role of Free and Localized Excitons. Nanomaterials, 2022, 12, 211.	4.2	1
9	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, .	17.1	51
10	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.	2.6	32
11	Effect of Germanium Incorporation on the Electrochemical Performance of Electrospun Fe2O3 Nanofibers-Based Anodes in Sodium-Ion Batteries. Applied Sciences (Switzerland), 2021, 11, 1483.	2.6	6
12	On the plasmon-assisted detection of a 1585â€‰cmâˆ’1 mode in the 532â€‰nm Raman spectra of crystalline Î±-Fe2O3/polycrystalline NiO core/shell nanofibers. Applied Physics Letters, 2021, 118, .	3.2	4
13	Evaluation of Electrospun Self-Supporting Paper-Like Fibrous Membranes as Oil Sorbents. Membranes, 2021, 11, 515.	3.3	3
14	Photocatalytic degradation of methylene blue dye by porous zinc oxide nanofibers prepared via electrospinning: When defects become merits. Applied Surface Science, 2021, 557, 149830.	6.6	38
15	Photocatalytic Degradation of Methylene Blue Dye by Electrospun Binary and Ternary Zinc and Titanium Oxide Nanofibers. Applied Sciences (Switzerland), 2021, 11, 9720.	2.6	10
16	High-density polyethylene/carbon nanotubes composites: Investigation on the factors responsible for the fracture formation under tensile loading. Journal of Polymer Research, 2021, 28, .	2.6	0
17	Bacterial-cellulose-derived carbonaceous electrode materials for water desalination via capacitive method: The crucial role of defect sites. Desalination, 2020, 492, 114596.	9.4	18
18	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.	4.2	9

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19	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.	3.0	23
20	Structure, Defects, and Magnetism of Electrospun Hematite Nanofibers Silica-Coated by Atomic Layer Deposition. Langmuir, 2020, 36, 1305-1319.	3.8	17
21	Comparative life cycle assessment of Fe2O3-based fibers as anode materials for sodium-ion batteries. Environment, Development and Sustainability, 2020, 23, 6786-6799.	3.6	17
22	Frontier Research Applications of Electro-spun Nanomaterials in Healthcare. Current Nanomaterials, 2019, 4, 4-5.	1.2	0
23	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, .	22.7	56
24	Electrospun Ag/PMA Nanofibrous Scaffold as a Drug Delivery System. Current Nanomaterials, 2019, 4, 32-38.	1.2	4
25	Light-matter Interaction Under Intense Field Conditions: Nonlinear Optical Properties of Metallic-dielectric Nanostructures. Current Nanomaterials, 2019, 4, 51-62.	1.2	3
26	Compositional and Mineralogical Analysis of Marine Sediments from Calabrian Selected Areas, Southern Italy. International Journal of Environmental Research, 2019, 13, 571-580.	3.8	6
27	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
28	Transition Metal Oxides on Reduced Graphene Oxide Nanocomposites: Evaluation of Physicochemical Properties. Journal of Nanomaterials, 2019, 2019, 1-9.	3.4	23
29	Electrospun Nanomaterials for Energy Applications: Recent Advances. Applied Sciences (Switzerland), 2019, 9, 1049.	2.6	59
30	Evaluation of the electrochemical performance of electrospun transition metal oxide-based electrode nanomaterials for water CDI applications. Electrochimica Acta, 2019, 309, 125-139.	5.4	23
31	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	31
32	Niobium pentoxide nanomaterials with distorted structures as efficient acid catalysts. Communications Chemistry, 2019, 2, .	5.8	73
33	Shapedâ€controlled siliconâ€doped hematite nanostructures for enhanced PEC water splitting. Catalysis Today, 2019, 328, 43-49.	4.7	25
34	Electrochemical characterization of highly abundant, low cost iron (III) oxide as anode material for sodium-ion rechargeable batteries. Electrochimica Acta, 2018, 269, 367-377.	5.4	30
35	Zinc oxide nanocolloids prepared by picosecond pulsed laser ablation in water at different temperatures. EPJ Web of Conferences, 2018, 167, 04008.	0.3	7
36	CO₂sensing properties of electro-spun Ca-doped ZnO fibres. Nanotechnology, 2018, 29, 305501.	2.7	28

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37	Corrigendum to â€œElectrospun C/GeO2 paper-like electrodes for flexible Li-ion batteriesâ€•[IntÂJÂHydrogen Energy 42 (2017) 28102â€“28112]. International Journal of Hydrogen Energy, 2018, 43, 1036.	9.2	0
38	Electro-spun graphene-enriched carbon fibres with high nitrogen-contents for electrochemical water desalination. Desalination, 2018, 428, 40-49.	9.4	36
39	Trimetallic Ni-Based Catalysts over Gadolinia-Doped Ceria for Green Fuel Production. Catalysts, 2018, 8, 435.	3.8	22
40	Synergistic Effects of Active Sitesâ€™ Nature and Hydrophilicity on the Oxygen Reduction Reaction Activity of Pt-Free Catalysts. Nanomaterials, 2018, 8, 643.	4.2	12
41	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, .	17.1	24
42	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.	0.2	6
43	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.	5.4	18
44	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.	9.2	9
45	Electro-spun Co3O4 anode material for Na-ion rechargeable batteries. Solid State Ionics, 2017, 309, 41-47.	3.1	24
46	Electrospun C/GeO 2 paper-like electrodes forÂflexible Li-ion batteries. International Journal of Hydrogen Energy, 2017, 42, 28102-28112.	9.2	21
47	Controlled surface functionalization of carbon nanotubes by nitric acid vapors generated from sub-azeotropic solution. Surface and Interface Analysis, 2016, 48, 17-25.	1.7	25
48	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.	4.5	14
49	Are Electrospun Carbon/Metal Oxide Composite Fibers Relevant Electrode Materials for Li-Ion Batteries?. Journal of the Electrochemical Society, 2016, 163, A2930-A2937.	3.1	19
50	Enhanced optical response of ZnO/Ag nanocolloids prepared by a picosecond laser. Journal of Luminescence, 2016, 178, 204-209.	3.6	9
51	Characterisation and H 2 O 2 sensing properties of TiO 2 -CNTs/Pt electro-catalysts. Materials Chemistry and Physics, 2016, 170, 129-137.	4.5	25
52	On the Amorphisation Trajectory of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2015, 1700, 9-14.	0.1	0
53	Interplay of structural and magnetic nanoscale phase separation in layered cobaltites. Physical Review B, 2015, 92, .	3.2	6
54	Stabilization of Titanium Dioxide Nanoparticles at the Surface of Carbon Nanomaterials Promoted by Microwave Heating. Chemistry - A European Journal, 2015, 21, 14901-14910.	3.5	11

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55	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.	3.5	40
56	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.	2.0	2
57	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.	4.5	10
58	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.	4.5	15
59	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.	2.0	7
60	Fast growth of polycrystalline graphene by chemical vapor deposition of ethanol on copper. , 2014, , 69-72.		4
61	A safer and flexible method for the oxygen functionalization of carbon nanotubes by nitric acid vapors. Applied Surface Science, 2014, 303, 446-455.	6.6	19
62	Taguchi optimized synthesis of graphene films by copper catalyzed ethanol decomposition. Diamond and Related Materials, 2014, 41, 73-78.	4.8	29
63	Micro-Raman Analysis of Three-Dimensional Macroporous Sponge-Like Network of Carbon Nanotubes under Tension. Journal of Physical Chemistry C, 2014, 118, 13912-13919.	3.2	2
64	Influence of the Cobalt Phase on the Highly Efficient Growth of MWNTs. Nanomaterials and Nanotechnology, 2014, 4, 5.	2.3	5
65	High-Temperature Growth of Graphene Films on Copper Foils by Ethanol Chemical Vapor Deposition. Journal of Physical Chemistry C, 2013, 117, 21569-21576.	3.2	69
66	Correlation between carbon nanotube microstructure and their catalytic efficiency towards the p-coumaric acid degradation. Current Applied Physics, 2013, 13, 748-752.	2.7	10
67	Evaluation of the Overall Crystalline Quality of Amorphous Carbon Containing Multiwalled Nanotubes. Journal of Physical Chemistry C, 2013, 117, 4815-4823.	3.2	23
68	Do Nanotubes Follow an Amorphization Trajectory as Other Nanocarbons Do?. Journal of Physical Chemistry C, 2013, 117, 14206-14212.	3.2	5
69	Optimized CVD Production of CNT-Based Nanohybrids by Taguchi Robust Design. Journal of Nanoscience and Nanotechnology, 2012, 12, 2424-2436.	0.6	2
70	Growth and Analysis of C Nanotubes on Ceramic Polymer-Additives. Journal of Nanoscience and Nanotechnology, 2012, 12, 4786-4797.	0.6	2
71	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.	2.9	17
72	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.	4.8	4

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73	Effect of Nature and Location of Defects on Bandgap Narrowing in Black TiO₂Nanoparticles. Journal of the American Chemical Society, 2012, 134, 7600-7603.	15.7	1,525
74	Influence of reaction parameters on the activity of ruthenium based catalysts for glycerol steam reforming. Applied Catalysis B: Environmental, 2012, 121-122, 40-49.	20.3	64
75	Optimization of CVD growth of CNT-based hybrids using the Taguchi method. Materials Research Bulletin, 2012, 47, 595-601.	5.4	14
76	Synthesis and analysis of multi-walled carbon nanotubes/oxides hybrid materials for polymer composite applications. Diamond and Related Materials, 2011, 20, 532-537.	4.8	5
77	Catalytic Wet Air Oxidation of<i>p</i>-Coumaric Acid over Carbon Nanotubes and Activated Carbon. Industrial & Engineering Chemistry Research, 2011, 50, 9043-9053.	4.0	30
78	Polylactide and carbon nanotubes/smectite-clay nanocomposites: Preparation, characterization, sorptive and electrical properties. Applied Clay Science, 2011, 53, 188-194.	5.5	46
79	On the CVD Growth of C Nanotubes over Fe-Loaded Montmorillonite Catalysts. Nanomaterials and Nanotechnology, 2011, 1, 15.	2.3	4
80	Scaling Laws for Multi-Walled Carbon Nanotube Growth by Catalyzed Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 1286-1295.	0.6	3
81	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.	3.5	15
82	Crystalline Quality Evaluation of Carbon Nanotubes by Kinetic Analysis in Quasiâ€Isothermal Conditions. ChemPhysChem, 2010, 11, 1925-1931.	2.0	6
83	Feâ€catalysed synthesis of C nanotubes by <i>i</i>â€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.	1.6	0
84	Preparation of nanotubes-clay hybrid systems by iron-catalyzed isobutane decomposition. Diamond and Related Materials, 2010, 19, 599-603.	4.8	9
85	K10 Montmorillonite Based Catalysts for the Growth of Multiwalled Carbon Nanotubes through Catalytic Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 2010, 49, 3242-3249.	4.0	18
86	Single-crystal diamond MIS diode for deep UV detection. Radiation Effects and Defects in Solids, 2010, 165, 737-745.	1.2	4
87	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.	4.8	6
88	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.	0.6	31
89	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.	1.6	8
90	Experiments on C nanotubes synthesis by Fe-assisted ethane decomposition. Diamond and Related Materials, 2008, 17, 318-324.	4.8	19

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91	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.	4.8	46
92	Spectroscopic investigation of homoepitaxial CVD diamond for detection applications. Diamond and Related Materials, 2008, 17, 372-376.	4.8	2
93	Investigation of Porous Silicon Wetting by Raman Scattering. Spectroscopy Letters, 2008, 41, 174-178.	1.6	2
94	On the correlation between CVD growth conditions and crystalline quality and abundance of multi-walled carbon nanotubes. EPJ Applied Physics, 2008, 41, 237-242.	0.8	5
95	Iron-catalyst performances in carbon nanotube growth by chemical vapour deposition. EPJ Applied Physics, 2008, 44, 171-180.	0.8	4
96	Electron scattering in microstructure processes. Rivista Del Nuovo Cimento, 2007, 15, 1-57.	6.4	7
97	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
98	Measurements of adsorption strain in porous silicon by Raman scattering. , 2007, , .		2
99	Study of the effects on the Raman spectra of adsorption strain in porous silicon. , 2007, , .		0
100	Optimisation of gas mixture composition for the preparation of high quality MWCNT by catalytically assisted CVD. Diamond and Related Materials, 2007, 16, 1095-1100.	4.8	34
101	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.	1.3	12
102	Â«BuckinghamÂ» approximants to physical laws. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 2006, 17, 523-535.	0.0	0
103	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.	4.8	3
104	Characterization of homoepitaxial CVD diamond grown at moderate microwave power. Diamond and Related Materials, 2006, 15, 517-521.	4.8	3
105	Pulse height defect in pCVD and scCVD diamond based detectors. Diamond and Related Materials, 2006, 15, 1986-1989.	4.8	4
106	Nucleation Process of CVD Diamond on Molybdenum Substrates. , 2006, , 329-343.		1
107	Homoepitaxial CVD diamond: Raman and time-resolved PL characterization. Diamond and Related Materials, 2006, 15, 1976-1979.	4.8	11
108	Characterization of homoepitaxial diamond for ionizing radiation detectors. Journal of Non-Crystalline Solids, 2006, 352, 2575-2579.	3.3	3

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109	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.	3.3	1
110	Optical Characterisation of High-Quality Homoepitaxial Diamond. Topics in Applied Physics, 2006, , 345-358.	0.0	2
111	Aid of Scaling Laws in the Achievement of a Well-Controlled Film Deposition Process. , 2006, , 1-21.		65
112	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.	1.3	13
113	Multi-wavelength Raman investigation of sputtered a-C film nanostructure. Surface and Coatings Technology, 2006, 200, 5427-5434.	5.6	7
114	Semi-empirical derivation of the physical approximants to a-CN:H film deposition. Diamond and Related Materials, 2005, 14, 1331-1341.	4.8	1
115	A single growth quality indicator for film property tailoring. Diamond and Related Materials, 2004, 13, 1391-1397.	4.8	2
116	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.	4.8	18
117	Spectral response of large area CVD diamond photoconductors for space applications in the vacuum UV. Diamond and Related Materials, 2003, 12, 1819-1824.	4.8	9
118	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.	3.3	2
119	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.	4.8	7
120	Relationship between composition and position of Raman and IR peaks in amorphous carbon alloys. Surface and Coatings Technology, 2002, 151-152, 257-262.	5.6	31
121	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.	3.8	3
122	Influence of metalâ€“diamond interfaces on the response of UV photoconductors. Diamond and Related Materials, 2001, 10, 698-705.	4.8	15
123	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.	4.8	12
124	High quality CVD diamond for detection applications: structural characterization. Diamond and Related Materials, 2001, 10, 1788-1793.	4.8	17
125	High quality CVD diamond: a Raman scattering and photoluminescence study. European Physical Journal B, 2001, 20, 133-139.	1.6	32
126	Role of the film texturing on the response of particle detectors based on CVD diamond. Microsystem Technologies, 1999, 5, 151-156.	2.1	7

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127	Structural characterisation of ionising-radiation detectors based on CVD diamond films. Microsystem Technologies, 1999, 6, 23-29.	2.1	15
128	Raman characterisation and hardness properties of diamond-like carbon films grown by pulsed laser deposition technique. Microsystem Technologies, 1999, 6, 30-36.	2.1	3
129	Comparative study of band-A cathodoluminescence and Raman spectroscopy in CVD diamond films. Diamond and Related Materials, 1999, 8, 640-644.	4.8	8
130	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.	0.0	1
131	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.	0.0	2
132	Physical approximants to electron scattering. Microelectronic Engineering, 1997, 34, 147-154.	3.0	9
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.	0.0	2
134	A single quality factor for electron backscattering from thin films. Microelectronic Engineering, 1995, 27, 183-186.	3.0	1
135	Monte Carlo modelling of electron beam lithography: a scaling law. Microsystem Technologies, 1994, 1, 23-29.	2.1	8
136	The role of electron scattering in x-ray reflection masks. Microelectronic Engineering, 1994, 26, 49-61.	3.0	0
137	Tungsten/carbon masks in x-ray projection lithography. Microelectronic Engineering, 1994, 23, 421-425.	3.0	0
138	Simulation of electron-scattering properties of diamond membranes in X-ray mask fabrication. Diamond and Related Materials, 1994, 3, 942-946.	4.8	0
139	Short-range and long-range scattering in electron beam lithography. Microelectronic Engineering, 1993, 20, 241-253.	3.0	5
140	Electron scattering of low-Z high-density materials in X-ray mask patterning. Microelectronic Engineering, 1993, 20, 291-304.	3.0	0
141	Electron scattering of diamond membranes in x-ray mask fabrication. Microelectronic Engineering, 1993, 21, 91-94.	3.0	0
142	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.	0.0	0
143	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.	0.0	2
144	The generalized backscattering coefficient: A novel parameter in electron scattering processes. Microelectronic Engineering, 1992, 17, 385-388.	3.0	6

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145	Electron scattering effects in additive patterning of XRL masks for 0.2 micron resolution. Microelectronic Engineering, 1991, 13, 197-200.	3.0	2
146	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.	0.0	2
147	Simulation of 64 megabit lithography in XRL masks obtained by single-layer process on Si substrates. Microelectronic Engineering, 1990, 11, 625-628.	3.0	7
148	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.	3.0	6
149	Electronic conduction in the layered semiconductor MnPS3. Journal of Physics Condensed Matter, 1989, 1, 3337-3347.	2.2	25
150	Electronic transport properties ofNiPS3. Physical Review B, 1988, 37, 4419-4424.	3.2	22
151	Optical absorption spectra of some transition metal thiophosphates. Solid State Ionics, 1986, 20, 9-15.	3.1	38
152	M2, 3 absorption spectra of transition metal ion in MnPS3, FePS3 and NiPS3. Solid State Communications, 1986, 60, 381-384.	2.3	11
153	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.	0.0	5
154	Soft x-ray absorption of FePS3 and NiPS3. Solid State Communications, 1984, 51, 467-472.	2.3	29
155	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.	0.0	16