Dario Narducci

List of Publications by Year
in descending order

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147	2,524	236833	233338
papers	citations	25 h-index	45 g-index

155	155	155	2800
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermoelectrics: From history, a window to the future. Materials Science and Engineering Reports, 2019, 138, 100501.	14.8	341
2	Thick Film ZnO Resistive Gas Sensors: Analysis of Their Kinetic Behavior. Journal of the Electrochemical Society, 1989, 136, 1945-1948.	1.3	160
3	Impact of energy filtering and carrier localization on the thermoelectric properties of granular semiconductors. Journal of Solid State Chemistry, 2012, 193, 19-25.	1.4	156
4	Simultaneous increase in electrical conductivity and Seebeck coefficient in highly boron-doped nanocrystalline Si. Nanotechnology, 2013, 24, 205402.	1.3	129
5	Do we really need high thermoelectric figures of merit? A critical appraisal to the power conversion efficiency of thermoelectric materials. Applied Physics Letters, 2011, 99, 102104.	1.5	113
6	Influence of Extended Defects and Native Impurities on the Electrical Properties of Directionally Solidified Polycrystalline Silicon. Journal of the Electrochemical Society, 1988, 135, 155-165.	1.3	77
7	Encapsulating Eu³⁺ complex doped layers to improve Siâ€based solar cell efficiency. Progress in Photovoltaics: Research and Applications, 2009, 17, 519-525.	4.4	75
8	High Power Thermoelectric Generator Based on Vertical Silicon Nanowires. Nano Letters, 2020, 20, 4748-4753.	4.5	66
9	Formation of stable Siâ€“Oâ€“C submonolayers on hydrogen-terminated silicon(111) under low-temperature conditions. Beilstein Journal of Nanotechnology, 2015, 6, 19-26.	1.5	57
10	Surface modification strategies on mesoporous silica nanoparticles for anti-biofouling zwitterionic film grafting. Advances in Colloid and Interface Science, 2015, 226, 166-186.	7.0	54
11	Silicon de novo: energy filtering and enhanced thermoelectric performances of nanocrystalline silicon and silicon alloys. Journal of Materials Chemistry C, 2015, 3, 12176-12185.	2.7	42
12	Preferential Formation of Sïï£¿Oï£¿C over Sïï£¿C Linkage upon Thermal Grafting on Hydrogenâ€Terminated Silicon (111). Chemistry - A European Journal, 2014, 20, 15151-15158.	1.7	40
13	Efficiency enhancement of a-Si and CZTS solar cells using different thermoelectric hybridization strategies. Energy, 2017, 131, 230-238.	4.5	37
14	Practical development of efficient thermoelectric â€“ Photovoltaic hybrid systems based on wide-gap solar cells. Applied Energy, 2021, 300, 117343.	5.1	37
15	Smart integration of silicon nanowire arrays in all-silicon thermoelectric micro-nanogenerators. Semiconductor Science and Technology, 2016, 31, 084001.	1.0	35
16	Thermoelectric harvesters and the internet of things: technological and economic drivers. JPhys Energy, 2019, 1, 024001.	2.3	35
17	Electron paramagnetic resonance study of the interaction of the ZnO surface with air and airâ€reducing gas mixtures. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 1691-1694.	1.7	34
18	An Introduction to Nanotechnologies: Whatâ€™s in it for Us?. Veterinary Research Communications, 2007, 31, 131-137.	0.6	32

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19	Synergizing nucleic acid aptamers with 1-dimensional nanostructures as label-free field-effect transistor biosensors. Biosensors and Bioelectronics, 2013, 50, 278-293.	5.3	31
20	Challenges and Perspectives in Tandem Thermoelectricâ€“Photovoltaic Solar Energy Conversion. IEEE Nanotechnology Magazine, 2016, 15, 348-355.	1.1	31
21	Enhancement of the power factor in twoâ€phase siliconâ€“boron nanocrystalline alloys. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1255-1258.	0.8	27
22	Parametric modeling of energy filtering by energy barriers in thermoelectric nanocomposites. Journal of Applied Physics, 2015, 117, .	1.1	27
23	Short-range order of Zn and Cu in metaphosphate glasses by X-ray diffraction. Journal of Non-Crystalline Solids, 1989, 111, 221-227.	1.5	26
24	Fractal Nanotechnology. Nanoscale Research Letters, 2008, 3, .	3.1	26
25	Paradoxical Enhancement of the Power Factor of Polycrystalline Silicon as a Result of the Formation of Nanovoids. Journal of Electronic Materials, 2014, 43, 3812-3816.	1.0	26
26	Coordination of zinc and copper in phosphate glasses by EXAFS. Journal of Non-Crystalline Solids, 1991, 136, 198-204.	1.5	25
27	Transmission electron microscopy investigation of tin subâ€oxide nucleation upon SnO2 deposition on silicon. Applied Physics Letters, 1996, 68, 1207-1208.	1.5	24
28	Thermal and UV Hydrosilylation of Alcohol-Based Bifunctional Alkynes on Si (111) surfaces: How surface radicals influence surface bond formation. Scientific Reports, 2015, 5, 11299.	1.6	24
29	Paramagnetic point defects in SnO2and their reactivity with the surrounding gases. Part 1.â€”Interaction of oxygen lattice centres with vapour-phase H2O, air, inert and combustible gases, as revealed by electron paramagnetic resonance spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3711-3713.	1.7	20
30	Power Factor Enhancement by Inhomogeneous Distribution of Dopants in Two-Phase Nanocrystalline Systems. Journal of Electronic Materials, 2014, 43, 1896-1904.	1.0	20
31	Conditions for beneficial coupling of thermoelectric and photovoltaic devices. Journal of Materials Research, 2015, 30, 2663-2669.	1.2	20
32	Enhanced phonon scattering by nanovoids in high thermoelectric power factor polysilicon thin films. Applied Physics Letters, 2016, 109, .	1.5	20
33	Biosensing at the Nanoscale: There's Plenty of Room Inside. Science of Advanced Materials, 2011, 3, 426-435.	0.1	19
34	Infrared specular reflection spectra of copper-zinc phosphate glasses. Vibrational Spectroscopy, 1994, 7, 169-173.	1.2	18
35	Synergy between defects, charge neutrality and energy filtering in hyper-doped nanocrystalline materials for high thermoelectric efficiency. Nanoscale, 2019, 11, 7667-7673.	2.8	18
36	Nanostructured potential well/barrier engineering for realizing unprecedentedly large thermoelectric power factors. Materials Today Physics, 2019, 11, 100159.	2.9	18

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37	Defect Clustering and Boron Electrical Deactivation in pâ€Doped Polycrystalline Diamond Films. Journal of the Electrochemical Society, 1991, 138, 2446-2451.	1.3	17
38	Ultradense silicon nanowire arrays produced via top-down planar technology. Microelectronic Engineering, 2011, 88, 877-881.	1.1	17
39	Geometrical reconstructions and electronic relaxations of silicon surfaces. I. An electron density topological study of H-covered and clean Si(111)(1Ã—1) surfaces. Journal of Chemical Physics, 2000, 112, 887-899.	1.2	16
40	Chemical, energetic, and geometric heterogeneity of device-quality (100) surfaces of single crystalline silicon after HFaq etching. Applied Surface Science, 2008, 254, 5781-5790.	3.1	16
41	Enhanced Thermoelectric Properties of Strongly Degenerate Polycrystalline Silicon upon Second Phase Segregation. Materials Research Society Symposia Proceedings, 2011, 1314, 1.	0.1	15
42	Analysis of Thermal Losses for a Variety of Single-Junction Photovoltaic Cells: An Interesting Means of Thermoelectric Heat Recovery. Journal of Electronic Materials, 2015, 44, 1809-1813.	1.0	15
43	Energy Filtering and Thermoelectrics: Artifact or Artifice?. Journal of Nanoscience and Nanotechnology, 2017, 17, 1663-1667.	0.9	15
44	Experimental evidence and computational analysis of the electronic density modulation induced by gaseous molecules at Si(001) surfaces upon self-assembling organic monolayer. Applied Surface Science, 2001, 175-176, 379-385.	3.1	14
45	Recent Advances on Thermoelectric Silicon for Low-Temperature Applications. Materials, 2022, 15, 1214.	1.3	14
46	Terascale integration via a redesign of the crossbar based on a vertical arrangement of poly-Si nanowires. Semiconductor Science and Technology, 2010, 25, 095011.	1.0	13
47	Impact of synthetic conditions on the anisotropic thermal conductivity of poly(3,4-ethylenedioxythiophene) (PEDOT): A molecular dynamics investigation. Physical Review Materials, 2020, 4, .	0.9	13
48	Investigation of gasâ€“surface interactions at self-assembled silicon surfaces acting as gas sensors. Applied Surface Science, 2003, 212-213, 491-496.	3.1	12
49	Combined IR and XPS analysis of the native (1 0 0) surface of singleâ€crystalline silicon after HF_{aq} etching. Surface and Interface Analysis, 2007, 39, 836-844.	0.8	12
50	Fabrication of Silicon Nanowire Forests for Thermoelectric Applications by Metal-Assisted Chemical Etching. Journal of Materials Engineering and Performance, 2018, 27, 6279-6285.	1.2	12
51	Hierarchically nanostructured thermoelectric materials: challenges and opportunities for improved power factors. European Physical Journal B, 2020, 93, 1.	0.6	12
52	Economic Convenience of Hybrid Thermoelectric-Photovoltaic Solar Harvesters. ACS Applied Energy Materials, 2021, 4, 4029-4037.	2.5	12
53	Boron diffusivity in nonimplanted diamond single crystals measured by impedance spectroscopy. Journal of Applied Physics, 1990, 68, 1184-1186.	1.1	11
54	Exceptional thermoelectric power factors in hyperdoped, fully dehydrogenated nanocrystalline silicon thin films. Applied Physics Letters, 2021, 119, .	1.5	11

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55	High temperature standard gibbs free energy determinations for Co-o systems by e.m.f. measurements. A statistical approach to evaluate the reliability of the current methods. Materials Chemistry and Physics, 1985, 12, 377-388.	2.0	10
56	Influence of Grain Size on the Thermoelectric Properties of Polycrystalline Silicon Nanowires. Journal of Electronic Materials, 2015, 44, 371-376.	1.0	10
57	Interplay between synthetic conditions and micromorphology in poly(3,4-ethylenedioxythiophene):tosylate (PEDOT:Tos): an atomistic investigation. Physical Chemistry Chemical Physics, 2019, 21, 8580-8586.	1.3	10
58	Electrical Characterization of Metal Contacts on Diamond Thin Films. Materials Research Society Symposia Proceedings, 1989, 162, 333.	0.1	9
59	Phonon scattering enhancement in silicon nanolayers. Journal of Materials Science, 2013, 48, 2779-2784.	1.7	9
60	Phonon Scattering in Silicon by Multiple Morphological Defects: A Multiscale Analysis. Journal of Electronic Materials, 2018, 47, 5148-5157.	1.0	9
61	Experimental Determination of Power Losses and Heat Generation in Solar Cells for Photovoltaic-Thermal Applications. Journal of Materials Engineering and Performance, 2018, 27, 6291-6298.	1.2	9
62	Recombination effects and impurity segregation at grain boundaries in polycrystalline silicon. Revue De Physique AppliquÃ©e, 1987, 22, 631-636.	0.4	9
63	Spectromagnetic evidence for spatial correlation of copper centres in phosphate glasses and its effect on the charge-transport processes. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 3587.	1.0	8
64	Infrared microcharacterization of grain boundaries in polycrystalline silicon. Solid State Communications, 1989, 69, 457-460.	0.9	8
65	Evidence for H2 at high pressure in the silicon nanocavities after dipping in HF solution. Surface Science, 2009, 603, 2188-2192.	0.8	8
66	Crossbar architecture for tera-scale integration. Semiconductor Science and Technology, 2011, 26, 045005.	1.0	8
67	High figures of merit in degenerate semiconductors. Energy filtering by grain boundaries in heavily doped polycrystalline silicon. AIP Conference Proceedings, 2012, , .	0.3	8
68	Strain-induced generation of silicon nanopillars. Nanotechnology, 2013, 24, 335302.	1.3	8
69	Simultaneous materials and layout optimization of non-imaging optically concentrated solar thermoelectric generators. Energy, 2020, 194, 116867.	4.5	8
70	CO determination in air by YSZ-based sensors. Sensors and Actuators B: Chemical, 1994, 19, 566-568.	4.0	7
71	Vibrational study on styrene functionalized porous silicon: A method for determining the relative yield of different grafting routes. Surface Science, 2007, 601, 2836-2839.	0.8	7
72	Nanocavities in silicon: An infrared investigation of internal surface reconstruction after hydrogen implantation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 159-160, 173-176.	1.7	7

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73	Theoretical Analysis of Two Novel Hybrid Thermoelectric-Photovoltaic Systems Based on Cu₂ZnSnS₄ Solar Cells. Journal of Nanoscience and Nanotechnology, 2017, 17, 1608-1615.	0.9	7
74	Suitability of Electrical Coupling in Solar Cell Thermoelectric Hybridization. Designs, 2018, 2, 32.	1.3	7
75	Efficiency at Maximum Power of Dissipative Thermoelectric Generators: A Finite-time Thermodynamic Analysis. Journal of Materials Engineering and Performance, 2018, 27, 6274-6278.	1.2	7
76	Optical and spectromagnetical properties of phosphate glasses containing ruthenium and titanium ions. Journal of the Chemical Society Faraday Transactions I, 1987, 83, 705.	1.0	6
77	Recent achievements in semiconductor defect passivation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1997, 45, 126-133.	1.7	6
78	Hydrogen injection and retention in nanocavities of single-crystalline silicon. Journal Physics D: Applied Physics, 2009, 42, 062001.	1.3	6
79	Nanovoid Formation and Dynamics in He+-Implanted Nanocrystalline Silicon. Journal of Electronic Materials, 2014, 43, 3852-3856.	1.0	6
80	On the mechanism ruling the morphology of silicon nanowires obtained by one-pot metal-assisted chemical etching. Nanotechnology, 2020, 31, 404002.	1.3	6
81	Chemically induced disordering of Si (100) surfaces upon SC1/SC2 etching analysed by high-resolution transmission electron microscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 73, 154-157.	1.7	5
82	Modulation of Si(100) electronic surface density due to supramolecular interactions of gaseous molecules with self-assembled organic monolayers. Materials Science and Engineering C, 2001, 15, 253-255.	3.8	5
83	Assigning chemical configurations to the XPS features observed at pristine (100) Si surface resulting after etching in HF aqueous solution. Applied Surface Science, 2010, 256, 6330-6339.	3.1	5
84	Nanograin Effects on the Thermoelectric Properties of Poly-Si Nanowires. Journal of Electronic Materials, 2013, 42, 2393-2401.	1.0	5
85	Effect of Impurity Segregation on the Electrical Properties of Grain Boundaries in Polycrystalline Silicon. NATO ASI Series Series B: Physics, 1989, , 105-121.	0.2	5
86	CO2 monitoring by solid-state limiting-current sensors. Sensors and Actuators B: Chemical, 1995, 25, 636-638.	4.0	4
87	Solution based, RuHCl(CO)(PPh3)3 catalyzed hydrosilylation of alkynes onto Si(100) surfaces. Surface Science, 2007, 601, 2840-2844.	0.8	4
88	Explicitly Accounting for the Heat Sink Strengths in the Thermal Matching of Thermoelectric Devices. A Unified Practical Approach. Materials Today: Proceedings, 2015, 2, 474-482.	0.9	4
89	Compact Model for Thermoelectric Power Factor Enhancement by Energy Barriers in a Two-phase Composite Semiconductor. Materials Today: Proceedings, 2015, 2, 497-503.	0.9	4
90	Annealing of Heavily Boron-Doped Silicon: Effect on Electrical and Thermoelectric Properties. Journal of Nanoscience and Nanotechnology, 2017, 17, 1657-1662.	0.9	4

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91	Electrical activity of extended defects in polycrystalline silicon. Revue De Physique AppliquÃ©e, 1988, 23, 101-104.	0.4	4
92	Electron spin resonance investigation of the electronic structure of hopping centres and the polaronic conduction in iron-containing phosphate glasses. Journal of the Chemical Society Faraday Transactions I, 1989, 85, 4099.	1.0	3
93	Contribution to the interpretation of the thermodynamic and kinetic behaviour of chlorine gas solid-state potentiometric sensors. Sensors and Actuators B: Chemical, 1992, 7, 637-641.	4.0	3
94	Surface microcharacterization of silicon wafers by the light-beam-induced current technique in the planar configuration and by attenuated total reflection spectroscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 579-585.	0.6	3
95	Morphology changes of Si(0 0 1) surfaces during wet chemical halogenation. Applied Surface Science, 2003, 212-213, 595-600.	3.1	3
96	On the re-oxidation of silicon(0 0 1) surfaces modified by self-assembled monolayers. Applied Surface Science, 2003, 212-213, 649-653.	3.1	3
97	Metallization of grafted silicon surfaces: Sputtering-related damage effects. Surface Science, 2007, 601, 2855-2858.	0.8	3
98	Comparing the IR spectra of Hâ€terminated inner and outer silicon surfaces. Surface and Interface Analysis, 2010, 42, 1321-1325.	0.8	3
99	PdGe contact fabrication on Se-doped Ge. Scripta Materialia, 2017, 139, 104-107.	2.6	3
100	Tuning PEDOT:Tos Thermoelectric Properties Through Nanoparticle Inclusion. Journal of Nanoscience and Nanotechnology, 2017, 17, 1579-1585.	0.9	3
101	A Primer on Photovoltaic Generators. Springer Series in Materials Science, 2018, , 63-90.	0.4	3
102	A Primer on Thermoelectric Generators. Springer Series in Materials Science, 2018, , 11-43.	0.4	3
103	Modelling the simultaneous increase of the conductivity and the Seebeck coefficient in highly B-doped nc-Si. Materials Today: Proceedings, 2019, 8, 706-712.	0.9	3
104	On the Influence of the Cottrell Atmosphere on the Recombination Losses at Grain Boundaries in Polycrystalline Silicon. Springer Proceedings in Physics, 1989, , 115-121.	0.1	3
105	Thermodynamic Efficiency, Power Output and Performance Indices of Classic and Nanostructured Thermoelectric Materials. Journal of Nanoengineering and Nanomanufacturing, 2011, 1, 63-70.	0.3	3
106	Interfacial issues in the design and making of solid-state chemical sensors. Sensors and Actuators B: Chemical, 1995, 24, 266-269.	4.0	2
107	Surface microcharacterization of silicon wafers by the light-beam-induced current technique in the planar configuration and by attenuated total reflection spectroscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 579-585.	0.6	2
108	Adsorption equilibria and kinetics of H2 at nearly ideal (2Ã—1)Si(100) inner surfaces. Surface Science, 2010, 604, 1215-1220.	0.8	2

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109	A special issue on silicon and silicon-related materials for thermoelectricity. European Physical Journal B, 2015, 88, 1.	0.6	2
110	Thermoelectric conversion in tandem thermoelectric-photovoltaic applications. , 2015, , .		2
111	Boron Diffusion in Silicon in the Presence of Grain Boundaries and Voids. Materials Today: Proceedings, 2015, 2, 583-587.	0.9	2
112	A Monte Carlo Study on the Effect of Energy Barriers on the Thermoelectric Properties of Si. Energy Harvesting and Systems, 2016, 3, 323-328.	1.7	2
113	Hybrid Solar Harvesters: Technological Challenges, Economic Issues, and Perspectives. Springer Series in Materials Science, 2018, , 137-151.	0.4	2
114	Hybrid Photovoltaicâ€“Thermoelectric Generators: Materials Issues. Springer Series in Materials Science, 2018, , 103-116.	0.4	2
115	Solar Thermoelectric Generators. Springer Series in Materials Science, 2018, , 45-61.	0.4	2
116	Modulation of charge transport properties in poly(3,4-ethylenedioxythiophene) nanocomposites for thermoelectric applications. Journal Physics D: Applied Physics, 2018, 51, 034002.	1.3	2
117	Early Career Researchers Present Their Latest Work at the Virtual Conference on Thermoelectrics 2020. ACS Applied Energy Materials, 2020, 3, 10278-10281.	2.5	2
118	Modeling of aerosol-assisted chemical vapor co-deposition of NiO and carbon nanotubes. European Physical Journal Special Topics, 1999, 09, Pr8-741-Pr8-747.	0.2	2
119	<I>A Special Issue on</I> Nanoengineered Silicon: Technology and Applications. Science of Advanced Materials, 2011, 3, 297-300.	0.1	2
120	Temperature-dependent activation energy for polaronic conduction in copper-doped zinc phosphate glasses. Physica Scripta, 1988, 38, 92-99.	1.2	1
121	Preparation, Micromorphology and Stability of Tin Dioxide Thin Films. Solid State Phenomena, 1996, 51-52, 435-440.	0.3	1
122	Interaction of Small Molecules with Silicon Surfaces. Solid State Phenomena, 2001, 85-86, 337-352.	0.3	1
123	Dynamic barrier height modulation analysis of metalâ€“insulatorâ€“semiconductor junctions built on silicon surfaces modified by covalent organic layers. Surface Science, 2007, 601, 2845-2849.	0.8	1
124	A tool for the spectroscopic investigation of hydrogenâ€“silicon interaction. Surface and Interface Analysis, 2010, 42, 1307-1310.	0.8	1
125	Effect of Nanocavities on the Thermoelectric Properties of Polycrystalline Silicon. Materials Research Society Symposia Proceedings, 2011, 1329, 1.	0.1	1
126	Thermoelectric Properties of p and n-type Nanocrystalline Silicon Nanowires with High Doping Levels. Materials Research Society Symposia Proceedings, 2012, 1408, 67.	0.1	1

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127	Using evidence from nanocavities to assess the vibrational properties of external surfaces. Journal of Physics Condensed Matter, 2012, 24, 104005.	0.7	1
128	Monte Carlo study of the Electron Transport Properties of an Array of Si Nanocrystals. Materials Today: Proceedings, 2015, 2, 491-496.	0.9	1
129	PdGe contact fabrication on Ga-doped Ge: Influence of implantation-mediated defects. Scripta Materialia, 2018, 150, 66-69.	2.6	1
130	Hybrid Photovoltaicâ€“Thermoelectric Generators: Theory of Operation. Springer Series in Materials Science, 2018, , 91-102.	0.4	1
131	Hybrid Photovoltaic-Thermoelectric Solar Cells: State of the Art and Challenges. , 2017, , 139-181.		1
132	Litho-to-Nano Link. , 2008, , 1890-1900.		1
133	Electrical Behavior of Diffused Impurities in Diamond Single Crystals. Materials Research Society Symposia Proceedings, 1989, 162, 365.	0.1	0
134	Electronic conductivity in copper- and iron-based phosphate glasses exhibiting clustering and spinodal decomposition. Journal of Materials Chemistry, 1993, 3, 1179.	6.7	0
135	Stereochemical random networks. A contribution to a structurally aware hopping theory in oxide glasses. Journal of Non-Crystalline Solids, 1995, 181, 251-260.	1.5	0
136	Modelling of Specular Reflection Infrared Spectra of Oxide Films for Microstructural Analysis. Solid State Phenomena, 1996, 51-52, 289-294.	0.3	0
137	Final evidence for H termination of HF-treated Si surfaces: a comparative study by high-energy and vibrational spectroscopies. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 73, 240-243.	1.7	0
138	Sputter-induced trap states at oxidized and grafted silicon surfaces: A comparative study. Thin Solid Films, 2009, 517, 1944-1948.	0.8	0
139	Electric power output optimization in Seebeck generators: Beyond high ZT. , 2012, , .		0
140	Biased Diffusion and Rectified Brownian Motion at the Nanoscale Driving Mobile Sensing Automata for the Early Diagnosis of Endogenous Diseases. , 2012, , 1-25.		0
141	Nano and Giga Challenges in Electronics Photonics and Renewable Energy (NGC2011) Moscow-Zelenograd, Russia, September 12-16, 2011. Nanoscale Research Letters, 2012, 7, 326.	3.1	0
142	Effect of the Annealing on the Low-Temperature Charge Transport Properties of Heavily Boron-Doped Nanocrystalline Silicon Films for Thermoelectric Applications. Energy Harvesting and Systems, 2016, 3, 329-333.	1.7	0
143	A Special Section on Thermoelectrics. Journal of Nanoscience and Nanotechnology, 2017, 17, 1543-1546.	0.9	0
144	Photovoltaicâ€“ThermoelectricâCo-Generation. Springer Series in Materials Science, 2018, , 117-136.	0.4	0

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145	Nanoengineered Silicon: Technology and Applications. Science of Advanced Materials, 2011, 3, 301-311.	0.1	0
146	Nanosilicon and thermoelectricity. , 2017, , 555-574.		0
147	Nanosilicon and thermoelectricity. Series in Materials Science and Engineering, 2017, , 555-574.	0.1	0