Cornelis De Groot

List of Publications by Year in descending order

201 papers	3,289 citations	172207 29 h-index	214527 47 g-index
201 all docs	201 docs citations	201 times ranked	3997 citing authors

#	Article	IF	Citations
1	Surface-Enhanced Infrared Spectroscopy Using Metal Oxide Plasmonic Antenna Arrays. Nano Letters, 2014, 14, 346-352.	4.5	175
2	VO₂ Thermochromic Metamaterial-Based Smart Optical Solar Reflector. ACS Photonics, 2018, 5, 2280-2286.	3.2	161
3	Metasurface Optical Solar Reflectors Using AZO Transparent Conducting Oxides for Radiative Cooling of Spacecraft. ACS Photonics, 2018, 5, 495-501.	3.2	114
4	Gallium oxide as an insulating barrier for spin-dependent tunneling junctions. Applied Physics Letters, 2000, 77, 3630-3632.	1.5	113
5	Antenna-assisted picosecond control of nanoscale phase transition in vanadium dioxide. Light: Science and Applications, 2016, 5, e16173-e16173.	7.7	87
6	Optimal Polarization Conversion in Coupled Dimer Plasmonic Nanoantennas for Metasurfaces. ACS Nano, 2014, 8, 6390-6399.	7.3	81
7	Ultrafast Nonlinear Control of Progressively Loaded, Single Plasmonic Nanoantennas Fabricated Using Helium Ion Milling. Nano Letters, 2013, 13, 5647-5653.	4.5	76
8	Hotspot-mediated ultrafast nonlinear control of multifrequency plasmonic nanoantennas. Nature Communications, 2014, 5, 4869.	5.8	75
9	Highly Selective Chemical Vapor Deposition of Tin Diselenide Thin Films onto Patterned Substrates via Single Source Diselenoether Precursors. Chemistry of Materials, 2012, 24, 4442-4449.	3.2	64
10	Thermionic field emission at electrodeposited Niâ€“Si Schottky barriers. Solid-State Electronics, 2008, 52, 1032-1038.	0.8	52
11	Single, double and surround gate vertical MOSFETs with reduced parasitic capacitance. Solid-State Electronics, 2004, 48, 511-519.	0.8	50
12	Tailoring Second-Harmonic Generation in Single L-Shaped Plasmonic Nanoantennas from the Capacitive to Conductive Coupling Regime. ACS Photonics, 2015, 2, 1592-1601.	3.2	49
13	Two-powder Nd2Fe14B magnets with DyGa-addition. Journal of Applied Physics, 1998, 83, 388-393.	1.1	48
14	Magnetic properties ofR6Fe13â^'xM1+xcompounds and their hydrides. Physical Review B, 1998, 57, 11472-11482.	1.1	47
15	The structural and electrical properties of thermally grown TiO2thin films. Journal of Physics Condensed Matter, 2006, 18, 645-657.	0.7	47
16	Interference, Coupling, and Nonlinear Control of High-Order Modes in Single Asymmetric Nanoantennas. ACS Nano, 2012, 6, 6462-6470.	7.3	46
17	Nonpolar resistive switching in Cu/SiC/Au non-volatile resistive memory devices. Applied Physics Letters, 2014, 104, .	1.5	46
18	Chemical vapour deposition of antimony chalcogenides with positional and orientational control: precursor design and substrate selectivity. Journal of Materials Chemistry C, 2015, 3, 423-430.	2.7	46

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19	Metal catalyst-free low-temperature carbon nanotube growth on SiGe islands. Applied Physics Letters, 2005, 86, 233110.	1.5	43
20	Spin transport in germanium at room temperature. Applied Physics Letters, 2010, 97, 162104.	1.5	43
21	Non-aqueous electrodeposition of p-block metals and metalloids from halometallate salts. RSC Advances, 2013, 3, 15645.	1.7	43
22	Lysosomal Destabilization Contributes to Apoptosis of Germinal Center B-lymphocytes. Journal of Histochemistry and Cytochemistry, 2006, 54, 1425-1435.	1.3	38
23	Telluroether and Selenoether Complexes as Single Source Reagents for Low Pressure Chemical Vapor Deposition of Crystalline Ga₂Te₃ and Ga₂Se₃ Thin Films. Chemistry of Materials, 2013, 25, 1829-1836.	3.2	37
24	VO₂ metasurface smart thermal emitter with high visual transparency for passive radiative cooling regulation in space and terrestrial applications. Nanophotonics, 2022, 11, 4101-4114.	2.9	37
25	Spin-polarized tunnelling, magnetoresistance and interfacial effects in ferromagnetic junctions. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 195-206.	0.6	34
26	Design of 50-nm Vertical MOSFET Incorporating a Dielectric Pocket. IEEE Transactions on Electron Devices, 2004, 51, 158-160.	1.6	34
27	Extreme Subwavelength Metal Oxide Direct and Complementary Metamaterials. ACS Photonics, 2015, 2, 606-614.	3.2	33
28	Reduction of parasitic capacitance in vertical mosfets by spacer local oxidation. IEEE Transactions on Electron Devices, 2003, 50, 1487-1493.	1.6	32
29	Controlling the nanostructure of bismuth telluride by selective chemical vapour deposition from a single source precursor. Journal of Materials Chemistry A, 2014, 2, 4865.	5.2	31
30	Compliance-Free ZrO2/ZrO2â€‰â˜'â€‰x /ZrO2 Resistive Memory with Controllable Interfacial Multistate Switching Behaviour. Nanoscale Research Letters, 2017, 12, 384.	3.1	31
31	Area Selective Growth of Titanium Diselenide Thin Films into Micropatterned Substrates by Low-Pressure Chemical Vapor Deposition. Chemistry of Materials, 2013, 25, 4719-4724.	3.2	29
32	Analysis of thermionic emission from electrodeposited Niâ€“Si Schottky barriers. Solid State Communications, 2006, 140, 508-513.	0.9	28
33	Non-aqueous electrodeposition of functional semiconducting metal chalcogenides: Ge₂Sb₂Te₅ phase change memory. Materials Horizons, 2015, 2, 420-426.	6.4	28
34	Magnetic properties of Nd2Co17â˜'xAlx compounds studied by magnetic measurements and neutron diffraction. Journal of Alloys and Compounds, 1996, 233, 188-191.	2.8	27
35	Resistive switching of Cu/SiC/Au memory devices with a high ON/OFF ratio. Solid-State Electronics, 2014, 94, 98-102.	0.8	27
36	Electrodeposition of Ni-Si Schottky barriers. IEEE Transactions on Magnetics, 2005, 41, 2639-2641.	1.2	26

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37	Forming-free resistive switching of tunable ZnO films grown by atomic layer deposition. Microelectronic Engineering, 2016, 161, 7-12.	1.1	26
38	Structure and magnetic ordering in the defect compound ErGe1.83. Journal of Alloys and Compounds, 1997, 252, 53-58.	2.8	25
39	Multibeam Dual-Circularly Polarized Reflectarray for Connected and Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 3574-3585.	3.9	25
40	Metamagnetic behaviour of La1 â^' xGdxFe12B6 compounds. Journal of Alloys and Compounds, 1997, 256, 82-85.	2.8	23
41	Magnetic properties of R2Co17â^'xAlx compounds (R = Ho, Dy, Y). Physica B: Condensed Matter, 1997, 229, 213-216.	1.3	23
42	Shallow junctions on pillar sidewalls for sub-100-nm vertical MOSFETs. IEEE Electron Device Letters, 2006, 27, 692-695.	2.2	22
43	Magnetoelastic anisotropy in NdFeB permanent magnets. Journal of Applied Physics, 1999, 85, 8312-8316.	1.1	21
44	Polycrystalline silicon-germanium emitters for gain control, with application to SiGe HBTs. IEEE Transactions on Electron Devices, 2003, 50, 1480-1486.	1.6	21
45	Asymmetric gate-induced drain leakage and body leakage in vertical MOSFETs with reduced parasitic capacitance. IEEE Transactions on Electron Devices, 2006, 53, 1080-1087.	1.6	21
46	Selection by current compliance of negative and positive bipolar resistive switching behaviour in ZrO_{2â^'x}/ZrO₂bilayer memory. Journal Physics D: Applied Physics, 2017, 50, 175101.	1.3	21
47	Large-Area Electrodeposition of Few-Layer MoS₂ on Graphene for 2D Material Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 49786-49794.	4.0	21
48	Magnetic and MÃ¶ssbauer spectral properties of the compound Nd6Fe13Au. Journal of Alloys and Compounds, 1996, 233, 161-164.	2.8	20
49	Note on the crystal structure and magnetic properties of the compounds Ce2Ni17Si9 and Ce2Co17Si9. Journal of Alloys and Compounds, 1996, 235, 62-65.	2.8	20
50	A MÃ¶ssbauer spectral study of Nd6Fe13X, where X is Cu, Ag, and Au and of the spin reorientation in Nd6Fe13Si. Journal of Applied Physics, 1998, 83, 1554-1562.	1.1	20
51	Amorphous SiC based non-volatile resistive memories with ultrahigh ON/OFF ratios. Microelectronic Engineering, 2014, 119, 61-64.	1.1	20
52	On the magnetic ordering of R6Fe13X compounds. Journal of Alloys and Compounds, 1998, 280, 44-55.	2.8	19
53	Switching kinetics of SiC resistive memory for harsh environments. AIP Advances, 2015, 5, 077121.	0.6	19
54	The magnetic ordering of the novel compound ErGe3. Journal of Alloys and Compounds, 1996, 232, 165-168.	2.8	18

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55	Magnetic properties of Tb2Co17â^'xGax compounds studied by magnetic measurements and neutron diffraction. Journal of Alloys and Compounds, 1998, 264, 76-81.	2.8	18
56	Helium ion beam milling to create a nano-structured domain wall magnetoresistance spin valve. Nanotechnology, 2012, 23, 395302.	1.3	18
57	Embedded Metal Oxide Plasmonics Using Local Plasma Oxidation of AZO for Planar Metasurfaces. Advanced Materials, 2020, 32, e2001534.	11.1	18
58	Orientation and symmetry control of inverse sphere magnetic nanoarrays by guided self-assembly. Journal of Applied Physics, 2006, 100, 113720.	1.1	17
59	Growth of Single-Walled Carbon Nanotubes Using Germanium Nanocrystals Formed by Implantation. Journal of the Electrochemical Society, 2009, 156, K144.	1.3	17
60	Contact resistance measurement of Ge₂Sb₂Te₅phase change material to TiN electrode by spacer etched nanowire. Semiconductor Science and Technology, 2014, 29, 095003.	1.0	17
61	Total Ionizing Dose Hardened and Mitigation Strategies in Deep Submicrometer CMOS and Beyond. IEEE Transactions on Electron Devices, 2018, 65, 808-819.	1.6	17
62	Reviewâ€"Beyond the Highs and Lows: A Perspective on the Future of Dielectrics Research for Nanoelectronic Devices. ECS Journal of Solid State Science and Technology, 2019, 8, N159-N185.	0.9	17
63	Magnetic properties of Pr2Co17â^'xAlx and Y2Co17â^'xAlx. Journal of Alloys and Compounds, 1997, 259, 42-46.	2.8	16
64	Thermoelectric Properties of Bismuth Telluride Thin Films Electrodeposited from a Nonaqueous Solution. ACS Omega, 2020, 5, 14679-14688.	1.6	16
65	Electrodeposition of MoS₂ from Dichloromethane. Journal of the Electrochemical Society, 2020, 167, 106511.	1.3	16
66	Backâ€Endâ€ofâ€Line SiCâ€Based Memristor for Resistive Memory and Artificial Synapse. Advanced Electronic Materials, 2022, 8, .	2.6	16
67	Canted antiferomagnetic structure of the novel compound Er3Ge4 by neutron diffraction and magnetic measurements. Journal of Magnetism and Magnetic Materials, 1997, 169, 253-260.	1.0	15
68	The vertical metal insulator semiconductor tunnel transistor: A proposed Fowlerâ€"Nordheim tunneling device. Microelectronic Engineering, 2005, 81, 171-180.	1.1	15
69	Nanoscale arrays of antimony telluride single crystals by selective chemical vapor deposition. Scientific Reports, 2016, 6, 27593.	1.6	15
70	Fermi Level Tuning of ZnO Films Through Supercycled Atomic Layer Deposition. Nanoscale Research Letters, 2017, 12, 541.	3.1	15
71	Compositionally tunable ternary Bi₂(Se_{1â^'x}Te_x)₃ and (Bi_{1â^'y}Sb_y)₂Te₃ thin films via low pressure chemical vapour deposition. Journal of Materials Chemistry C, 2018, 6, 7734-7739.	2.7	15
72	Magnetic properties and neutron diffraction of TbMn4Al8. Journal of Alloys and Compounds, 1996, 232, 154-159.	2.8	14

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73	Magnetic ordering of Pr6Fe13Si and Nd6Fe13Au studied by neutron diffraction. Journal of Physics Condensed Matter, 1999, 11, 4469-4481.	0.7	14
74	Magnetic ordering of ErFe4Ge2 studied by neutron diffraction and magnetic measurements. Journal of Magnetism and Magnetic Materials, 1999, 191, 261-276.	1.0	14
75	Towards a 3D GeSbTe phase change memory with integrated selector by non-aqueous electrodeposition. Faraday Discussions, 2019, 213, 339-355.	1.6	14
76	Inverse design of structural color: finding multiple solutions via conditional generative adversarial networks. Nanophotonics, 2022, 11, 3057-3069.	2.9	14
77	The fabrication of plasmonic Au nanovoid trench arrays by guided self-assembly. Nanotechnology, 2009, 20, 285309.	1.3	13
78	On the mechanism of carbon nanotube formation: the role of the catalyst. Journal of Physics Condensed Matter, 2011, 23, 394201.	0.7	13
79	Antiferromagnetic ordering in the novel Dy3Ge4 and DyGe1.3 compounds studied by neutron diffraction and magnetic measurements. Journal of Alloys and Compounds, 1997, 262-263, 492-497.	2.8	12
80	Proteinases and their inhibitors in the immune system. International Review of Cytology, 2003, 222, 197-236.	6.2	12
81	Enhancement of resistivity of Czochralski silicon by deep level manganese doping. Applied Physics Letters, 2006, 89, 112122.	1.5	12
82	Inhomogeneous Ni/Ge Schottky barriers due to variation in Fermi-level pinning. Microelectronic Engineering, 2009, 86, 1599-1602.	1.1	12
83	Low power hydrogen sensors using electrodeposited PdNiâ€“Si Schottky diodes. Sensors and Actuators B: Chemical, 2012, 170, 176-181.	4.0	12
84	Electrical transport properties of isolated carbon nanotube/Si heterojunction Schottky diodes. Applied Physics Letters, 2013, 103, 193111.	1.5	12
85	Phase-Change Memory Properties of Electrodeposited Ge-Sb-Te Thin Film. Nanoscale Research Letters, 2015, 10, 432.	3.1	12
86	Conductive-bridge memory cells based on a nanoporous electrodeposited GeSbTe alloy. Nanotechnology, 2019, 30, 025202.	1.3	12
87	Phase-Change Memory by GeSbTe Electrodeposition in Crossbar Arrays. ACS Applied Electronic Materials, 2021, 3, 3610-3618.	2.0	12
88	Antiferromagnetic interactions in Nd6Fe12Ga2-based compounds. Physica B: Condensed Matter, 1995, 211, 102-104.	1.3	11
89	A MÃ¶ssbauer spectral study of the Nd6Fe13X compounds where X is Si, Cu, Ag, and Au. Journal of Applied Physics, 1997, 81, 5435-5437.	1.1	11
90	Magnetic ordering of the R6Fe13Sn (R=Nd, Pr) compounds studied by neutron diffraction. Journal of Magnetism and Magnetic Materials, 2000, 218, 31-41.	1.0	11

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91	Recent developments in deca-nanometer vertical MOSFETs. Microelectronic Engineering, 2004, 72, 230-235.	1.1	11
92	Total Dose Hardness of <formula formulatype="inline"> <tex Notation="TeX">${m TiN}/{m HfO}_{m x}/{m TiN}$</tex></formula> Resistive Random Access Memory. IEEE Transactions on Nuclear Science, 2014, 61, 2991-2996.	1.2	11
93	Total Ionizing Dose, Random Dopant Fluctuations, and its combined effect in the 45nm PDSOI node. Microelectronics Reliability, 2017, 68, 21-29.	0.9	11
94	Back-end-of-line a-SiOxCy:H dielectrics for resistive memory. AIP Advances, 2018, 8, .	0.6	10
95	Improved thermoelectric performance of Bi2Se3 alloyed Bi2Te3 thin films via low pressure chemical vapour deposition. Journal of Alloys and Compounds, 2020, 848, 156523.	2.8	10
96	Our Quest for Mutualism in Universityâ€“School Partnerships. Educational Forum, 2010, 74, 306-317.	0.9	9
97	Magnetoresistance in a lithography defined single constrained domain wall spin-valve. Applied Physics Letters, 2010, 97, 262501.	1.5	9
98	Reduced microwave attenuation in coplanar waveguides using deep level impurity compensated Czochralski-silicon substrates. Semiconductor Science and Technology, 2011, 26, 072001.	1.0	9
99	Nanoscale modeling of electro-plasmonic tunable devices for modulators and metasurfaces. Optics Express, 2017, 25, 10031.	1.7	9
100	Electrodeposition of a Functional Solid State Memory Material: Germanium Antimony Telluride from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D557-D567.	1.3	9
101	Combinatorial synthesis and screening of (Ba,Sr)(Ti,Mn)O₃ thin films for optimization of tunable co-planar waveguides. Journal of Materials Chemistry C, 2018, 6, 6222-6228.	2.7	9
102	Selective Chemical Vapor Deposition Approach for Sb₂Te₃ Thin Film Micro-thermoelectric Generators. ACS Applied Energy Materials, 2020, 3, 5840-5846.	2.5	9
103	Electrodeposition of GeSbTe-Based Resistive Switching Memory in Crossbar Arrays. Journal of Physical Chemistry C, 2021, 125, 26247-26255.	1.5	9
104	Neutron diffraction and magnetization investigation of Tb2Co17â^'xGax intermetallics. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1044-1045.	1.0	8
105	Structure and magnetic properties of Nd2Co17â^'xGax compounds studied by magnetic measurements and neutron diffraction. Journal of Magnetism and Magnetic Materials, 1998, 189, 329-334.	1.0	8
106	High-quality NiGe/Ge diodes for Schottky barrier MOSFETs. Materials Science in Semiconductor Processing, 2008, 11, 305-309.	1.9	8
107	Fabrication and simulation of nanostructures for domain wall magnetoresistance studies on nickel. Journal of Magnetism and Magnetic Materials, 2010, 322, 1467-1470.	1.0	8
108	Analytical and numerical model of spiral inductors on high resistivity silicon substrates. Solid-State Electronics, 2014, 93, 43-48.	0.8	8

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109	Total ionizing dose response of fluorine implanted Silicon-On-Insulator buried oxide. Microelectronics Reliability, 2014, 54, 2339-2343.	0.9	8
110	Mathematical model and optimization of a thin-film thermoelectric generator. JPhys Energy, 2020, 2, 014001.	2.3	8
111	Susceptibility of (Gd,La)Mn2(Ge,Si)2 compounds in the magnetically ordered regime. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 639-640.	1.0	7
112	Magnetic anisotropy of RCo10Si2 compounds (R = Y, Gd, Dy, Ho, Er, Tm). Physica B: Condensed Matter, 1996, 228, 214-218.	1.3	7
113	Depletion-isolation effect in vertical MOSFETs during the transition from partial to fully depleted operation. IEEE Transactions on Electron Devices, 2006, 53, 929-932.	1.6	7
114	Electron beam lithography tri-layer lift-off to create ultracompact metal/metal oxide 2D patterns on CaF2 substrate for surface-enhanced infrared spectroscopy. Microelectronic Engineering, 2015, 141, 87-91.	1.1	7
115	A systematic method for simulating total ionizing dose effects using the finite elements method. Journal of Computational Electronics, 2017, 16, 548-555.	1.3	7
116	[Ge(TeⁿBu)₄] â€“ a single source precursor for the chemical vapour deposition of germanium telluride thin films. Dalton Transactions, 2019, 48, 117-124.	1.6	7
117	Electrodeposition of bismuth telluride from a weakly coordinating, non-aqueous solution. Journal of Electroanalytical Chemistry, 2019, 839, 134-140.	1.9	7
118	Low temperature CVD of thermoelectric SnTe thin films from the single source precursor, [ⁿBu₃Sn(TeⁿBu)]. Dalton Transactions, 2021, 50, 998-1006.	1.6	7
119	Low-Pressure CVD of GeE (E = Te, Se, S) Thin Films from Alkylgermanium Chalcogenolate Precursors and Effect of Deposition Temperature on the Thermoelectric Performance of GeTe. ACS Applied Materials & Interfaces, 2021, 13, 47773-47783.	4.0	7
120	Long range ordering in self-assembled Ni arrays on patterned Si. Journal of Magnetism and Magnetic Materials, 2007, 316, e78-e81.	1.0	6
121	Observation of Negative Differential Conductance in a Reverse-Biased Ni/Ge Schottky Diode. IEEE Electron Device Letters, 2009, 30, 966-968.	2.2	6
122	Low Pressure Chemical Vapour Deposition of Crystalline Ga2Te3 and Ga2Se3 Thin Films from Single Source Precursors Using Telluroether and Selenoether Complexes. Physics Procedia, 2013, 46, 142-148.	1.2	6
123	Active counter electrode in a-SiC electrochemical metallization memory. Journal Physics D: Applied Physics, 2017, 50, 325102.	1.3	6
124	Three-dimensional Finite Elements Method simulation of Total Ionizing Dose in 22 nm bulk nFinFETs. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 39-43.	0.6	6
125	Lateral Growth of MoS₂ 2D Material Semiconductors Over an Insulator Via Electrodeposition. Advanced Electronic Materials, 2021, 7, 2100419.	2.6	6
126	Waferâ€Scale 200 mm Metal Oxide Infrared Metasurface with Tailored Differential Emissivity Response in the Atmospheric Windows. Advanced Optical Materials, 2022, 10, .	3.6	6

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127	Electrodeposited PdNi as possible ferromagnetic contacts for carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 888-891.	0.7	5
128	Metal-Catalyst-Free Growth of Carbon Nanotubes and Their Application in Field-Effect Transistors. Electrochemical and Solid-State Letters, 2011, 14, K21.	2.2	5
129	Electrodeposition of Crystalline HgTe from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D802-D807.	1.3	5
130	Modelling resistive and phase-change memory with passive selector arrays: a MATLAB tool. Journal of Computational Electronics, 2020, 19, 1203-1214.	1.3	5
131	ⁿBu₂Sn(SⁿBu)₂ and ⁿBu₃SnEⁿBu (E = S or Se) â€“ effective single source precursors for the CVD of SnS and SnSe thermoelectric thin films. Materials Advances, 0, , .	2.6	5
132	Shape-induced anisotropy in antidot arrays from self-assembled templates. IEEE Transactions on Magnetics, 2005, 41, 3598-3600.	1.2	4
133	Numerical investigation of domain walls in constrained geometries. Journal of Applied Physics, 2008, 103, 07D926.	1.1	4
134	Low power hydrogen sensors using electrodeposited PdNiâ€“Si schottky diodes. Procedia Engineering, 2010, 5, 143-146.	1.2	4
135	The effect of atomic layer deposition temperature on switching properties of HfOx resistive RAM devices. , 2014, , .		4
136	Microstructure and electrical properties of co-sputtered Cu embedded amorphous SiC. Materials Letters, 2016, 178, 60-63.	1.3	4
137	Amorphous SiC resistive memory with embedded Cu nanoparticles. Microelectronic Engineering, 2017, 174, 1-5.	1.1	4
138	Single-nanoantenna driven nanoscale control of the VO₂ insulator to metal transition. Nanophotonics, 2021, 10, 3745-3758.	2.9	4
139	Erratum to â€œMagnetic and MÃ¶ssbauer spectral properties of the compound Nd6Fe13Auâ€•[J. Alloys Compd., 233 (1996) 161â€“164]. Journal of Alloys and Compounds, 1996, 245, 188.	2.8	3
140	Re-entrant ferromagnetism in the ThFe3â^'Al system. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 641-642.	1.0	3
141	Magnetic properties of Tb2Mn17Cx compounds studied by magnetic measurements and neutron diffraction. Journal of Alloys and Compounds, 1997, 248, 121-124.	2.8	3
142	Low-temperature magnetisation and specific heat in antiferromagnetic rare-earth germanides of the type R3Ge4. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1147-1148.	1.0	3
143	Resonant tunnelling in Dy- or Gd-doped Al2O3 magnetic tunnel junctions. Journal of Physics Condensed Matter, 2002, 14, 5153-5159.	0.7	3
144	Anisotropy of Magnetization Reversal and Magnetoresistance in Square Arrays of Permalloy Nano-Rings. IEEE Transactions on Magnetics, 2006, 42, 2948-2950.	1.2	3

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145	Self-Aligned Silicidation of Surround Gate Vertical MOSFETs for Low Cost RF Applications. IEEE Transactions on Electron Devices, 2010, 57, 3318-3326.	1.6	3
146	The electrodeposition, magnetic and electrical characterisation of Palladiumâ€“Nickel alloys. Journal of Electroanalytical Chemistry, 2011, 655, 87-91.	1.9	3
147	Plasmonics and Metamaterials with Transparent Conducting Oxides. ECS Transactions, 2014, 64, 291-298.	0.3	3
148	Effect of Stoichiometry of TiN Electrode on the Switching Behavior of TiN/HfOx/TiN Structures for Resistive RAM. Materials Research Society Symposia Proceedings, 2014, 1631, 1.	0.1	3
149	New plasmonic materials and fabrication tools for near- and mid-infrared sensing and spectroscopy. , 2015, , .		3
150	Tungsten disulfide thin films via electrodeposition from a single source precursor. Chemical Communications, 2021, 57, 10194-10197.	2.2	3
151	Electrodeposited WS₂ monolayers on patterned graphene. 2D Materials, 2022, 9, 015025.	2.0	3
152	Crystallographic and magnetic structure of the novel compound ErGe1.83. Physica B: Condensed Matter, 1997, 234-236, 652-653.	1.3	2
153	A 50nm channel vertical MOSFET concept incorporating a retrograde channel and a dielectric pocket. , 2001, , .		2
154	Electrical characteristics of single, double & surround gate vertical MOSFETs with reduced overlap capacitance. , 0, , .		2
155	CMOS-compatible vertical MOSFETs and logic gates with reduced parasitic capacitance. , 0, , .		2
156	Catalyst free low temperature direct growth of carbon nanotubes. , 0, , .		2
157	Semi-insulating Czochralski-silicon for Radio Frequency Applications. , 2006, , .		2
158	Growth of Carbon Nanotubes on HfO2towards Highly Sensitive Nano-Sensors. Japanese Journal of Applied Physics, 2010, 49, 04DN11.	0.8	2
159	Direct observation of surface charge redistribution in active nanoscale conducting channels by Kelvin Probe Force Microscopy. Nanotechnology, 2021, 32, 325206.	1.3	2
160	Confining the growth of mesoporous silica films into nanospaces: towards surface nanopatterning. Nanoscale Advances, 0, , .	2.2	2
161	Crystal structure and magnetic properties of CeNi11â^'xSix compounds. Journal of Alloys and Compounds, 1996, 241, 124-126.	2.8	1
162	Time-of-Flight Neutron Powder Diffraction Investigation of Tb₂Co_{17-x}Ga_x Permanent Magnet Materials. Materials Science Forum, 1998, 278-281, 537-541.	0.3	1

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163	Application of Polycrystalline SiGe for Gain Control in SiGe Heterojunction Bipolar Transistors. , 2002, , .		1
164	Electrodeposited Ni/Ge contacts for limiting leakage currents in Schottky barrier MOSFETs. , 2009, , .		1
165	A vertical transport geometry for electrical spin injection and extraction in Si. Solid State Communications, 2009, 149, 1565-1568.	0.9	1
166	Improved Drive Current in RF Vertical MOSFETS Using Hydrogen Anneal. IEEE Electron Device Letters, 2011, 32, 279-281.	2.2	1
167	Gold-doped high resistivity Czochralski-silicon for integrated passive devices and 3D integration. , 2011, , .		1
168	Single domain wall magnetoresistance electron-beam fabrication and magnetoresistance measurement. Proceedings of SPIE, 2011, , .	0.8	1
169	Electro-Deposited PdNi-Si Schottky Barrier Hydrogen Sensors with Improved Time Response. Procedia Engineering, 2012, 47, 37-40.	1.2	1
170	Coplanar waveguides on gold-doped high resistivity silicon for 67-GHz microwave application. , 2013, , .		1
171	Ultrafine control of partially loaded single plasmonic nanoantennas fabricated using e-beam lithography and helium ion beam milling. , 2014, , .		1
172	Low loss 67-GHz coplanar waveguides and spiral inductors on 100 kΩcm gold-doped high resistivity Cz-Silicon. , 2014, , .		1
173	Behavior of Gold-Doped Silicon Substrate under Small- and Large-RF Signal. , 2019, , .		1
174	Surface-Enhanced Infrared Spectroscopy using ultra-compact indium tin oxide (ITO) sensor arrays. , 2014, , .		1
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