

Jens Jensen

List of Publications by Year in descending order

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191
papers

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66234

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191
docs citations

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times ranked

4162
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#	ARTICLE	IF	CITATIONS
1	Compositional dependence of epitaxial $Ti_{1-x}Si_xN$ MAX-phase thin films grown from a Ti_3SiC_2 compound target. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, .	0.9	8
2	Influence of Si doping and O_2 flow on arc-deposited $(Al,Cr)_2O_3$ coatings. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 061516.	0.9	3
3	Silicon carbonitride thin films deposited by reactive high power impulse magnetron sputtering. <i>Surface and Coatings Technology</i> , 2018, 335, 248-256.	2.2	14
4	Resolving mass spectral overlaps in atom probe tomography by isotopic substitutions – case of $TiSi_{15}N$. <i>Ultramicroscopy</i> , 2018, 184, 51-60.	0.8	4
5	Effect of ion-implantation-induced defects and Mg dopants on the thermoelectric properties of ScN. <i>Physical Review B</i> , 2018, 98, .	1.1	31
6	Energy loss and straggling of MeV Si ions in gases. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 391, 20-26.	0.6	0
7	$V_{0.5}Mo_{0.5}N_x/MgO(001)$: Composition, nanostructure, and mechanical properties as a function of film growth temperature. <i>Acta Materialia</i> , 2017, 126, 194-201.	3.8	23
8	Wet-cleaning of $MgO(001)$: Modification of surface chemistry and effects on thin film growth investigated by x-ray photoelectron spectroscopy and time-of-flight secondary ion mass spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	0.9	63
9	Multi-Grid detector for neutron spectroscopy: results obtained on time-of-flight spectrometer CNCS. <i>Journal of Instrumentation</i> , 2017, 12, P04030-P04030.	0.5	29
10	Formation of hydroxyapatite on titanium implants <i>in vivo</i> precedes bone-formation during healing. <i>Biointerphases</i> , 2017, 12, 041002.	0.6	5
11	Age hardening in $(Ti_{1-x}Al_x)B_{2+\delta}$ thin films. <i>Scripta Materialia</i> , 2017, 127, 122-126.	2.6	38
12	Stoichiometric silicon oxynitride thin films reactively sputtered in Ar/ N_2O plasmas by HiPIMS. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 135309.	1.3	2
13	Experimental and theoretical investigation of $Cr_{1-x}Sc_xN$ solid solutions for thermoelectrics. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	33
14	Synthesis of hydrogenated diamondlike carbon thin films using neon-acetylene based high power impulse magnetron sputtering discharges. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, 061504.	0.9	18
15	Impact of nitrogen vacancies on the high temperature behavior of $(Ti_{1-x}Al_x)N_y$ alloys. <i>Acta Materialia</i> , 2016, 119, 218-228.	3.8	41
16	Low-temperature growth of boron carbide coatings by direct current magnetron sputtering and high-power impulse magnetron sputtering. <i>Journal of Materials Science</i> , 2016, 51, 10418-10428.	1.7	44
17	SiN_x Coatings Deposited by Reactive High Power Impulse Magnetron Sputtering: Process Parameters Influencing the Nitrogen Content. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20385-20395.	4.0	28
18	Trimethylboron as Single-Source Precursor for Boron-Carbon Thin Film Synthesis by Plasma Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21990-21997.	1.5	11

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19	Ab initio calculations and experimental study of piezoelectric YIn ¹ N thin films deposited using reactive magnetron sputter epitaxy. <i>Acta Materialia</i> , 2016, 105, 199-206.	3.8	20
20	A comparative study of direct current magnetron sputtering and high power impulse magnetron sputtering processes for CN _x thin film growth with different inert gases. <i>Diamond and Related Materials</i> , 2016, 64, 13-26.	1.8	20
21	Investigation of background in large-area neutron detectors due to alpha emission from impurities in aluminium. <i>Journal of Instrumentation</i> , 2015, 10, P10019-P10019.	0.5	7
22	Infrared dielectric functions and optical phonons of wurtzite Y _{1-x} Al _x N (0 ≤ x ≤ 1) (DOI: 10.1063/1.491022). <i>Journal of Applied Physics</i> , 2015, 117, 195301.	1.1	0
23	Synthesis and characterization of Zr ₂ Al ₃ C ₄ thin films. <i>Thin Solid Films</i> , 2015, 595, 142-147.	0.8	10
24	Growth and oxidization stability of cubic Zr _{1-x} Gd _x N solid solution thin films. <i>Journal of Applied Physics</i> , 2015, 117, 195301.	1.1	0
25	Stability of TiB ₄ C thin films under neutron radiation. <i>Radiation Physics and Chemistry</i> , 2015, 113, 14-19.	1.4	53
26	Novel hard, tough HfAlSiN multilayers, defined by alternating Si bond structure, deposited using modulated high-flux, low-energy ion irradiation of the growing film. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	7
27	UV-black rutile TiO ₂ : An antireflective photocatalytic nanostructure. <i>Journal of Applied Physics</i> , 2015, 117, 074903.	1.1	22
28	Control of Ti _{1-x} Si _x N nanostructure via tunable metal-ion momentum transfer during HIPIMS/DCMS co-deposition. <i>Surface and Coatings Technology</i> , 2015, 280, 174-184.	2.2	53
29	Silicon oxynitride films deposited by reactive high power impulse magnetron sputtering using nitrous oxide as a single-source precursor. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	18
30	Gas phase chemical vapor deposition chemistry of triethylboron probed by boron ¹³ C thin film deposition and quantum chemical calculations. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10898-10906.	2.7	24
31	Low-temperature growth of low friction wear-resistant amorphous carbon nitride thin films by mid-frequency, high power impulse, and direct current magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, .	0.9	17
32	Self-organized anisotropic (Zr _{1-x} Si _x)N nanocomposites grown by reactive sputter deposition. <i>Acta Materialia</i> , 2015, 82, 179-189.	3.8	27
33	Vacancy-induced toughening in hard single-crystal V _{0.5} Mo _{0.5} N _x /MgO(0 0 1) thin films. <i>Acta Materialia</i> , 2014, 77, 394-400.	3.8	75
34	Reactive sputtering of δ -ZrH ₂ thin films by high power impulse magnetron sputtering and direct current magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	0.9	7
35	Growth and properties of amorphous Ti _{1-x} B _x Si _{1-x} N thin films deposited by hybrid HIPIMS/DC-magnetron co-sputtering from TiB ₂ and Si targets. <i>Surface and Coatings Technology</i> , 2014, 259, 442-447.	2.2	11
36	Thermal stability and mechanical properties of amorphous coatings in the Ti-B-Si-Al-N system grown by cathodic arc evaporation from TiB ₂ , Ti ₃₃ Al ₆₇ , and Ti ₈₅ Si ₁₅ cathodes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	0.9	9

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37	Direct current magnetron sputtered ZrB ₂ thin films on 4H-SiC(0001) and Si(100). <i>Thin Solid Films</i> , 2014, 550, 285-290.	0.8	35
38	Structure and composition of Al(Si)CuFe approximant thin films formed by Si substrate diffusion. <i>Thin Solid Films</i> , 2014, 550, 105-109.	0.8	1
39	Î±-Ta and Î±-Cr thin films deposited by high power impulse magnetron sputtering and direct current magnetron sputtering in hydrogen containing plasmas. <i>Physica B: Condensed Matter</i> , 2014, 439, 3-8.	1.3	10
40	A review of metal-ion-flux-controlled growth of metastable TiAlN by HIPIMS/DCMS co-sputtering. <i>Surface and Coatings Technology</i> , 2014, 257, 15-25.	2.2	126
41	Principles for designing sputtering-based strategies for high-rate synthesis of dense and hard hydrogenated amorphous carbon thin films. <i>Diamond and Related Materials</i> , 2014, 44, 117-122.	1.8	16
42	Effect of WN content on toughness enhancement in V _{1-x} W _x N/MgO(001) thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	0.9	45
43	Strain-free, single-phase metastable Ti _{0.38} Al _{0.62} N alloys with high hardness: metal-ion energy vs. momentum effects during film growth by hybrid high-power pulsed/dc magnetron cosputtering. <i>Thin Solid Films</i> , 2014, 556, 87-98.	0.8	69
44	X-ray Photoelectron Spectroscopy Analyses of the Electronic Structure of Polycrystalline Ti _{1-x} Al _x N Thin Films with 0 ≤ x ≤ 0.96. <i>Surface Science Spectra</i> , 2014, 21, 35-49.	0.3	20
45	Influence of Ar and N ₂ Pressure on Plasma Chemistry, Ion Energy, and Thin Film Composition During Filtered Arc Deposition From Ti ₃ SiC ₂ Cathodes. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 3498-3507.	0.6	3
46	Influence of pulse power amplitude on plasma properties and film deposition in high power pulsed plasma enhanced chemical vapor deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, 030602.	0.9	5
47	Si incorporation in Ti _{1-x} Si _x N films grown on TiN(001) and (001)-faceted TiN(111) columns. <i>Surface and Coatings Technology</i> , 2014, 257, 121-128.	2.2	25
48	Selective binding of oligonucleotide on TiO ₂ surfaces modified by swift heavy ion beam lithography. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 339, 67-74.	0.6	5
49	Energy-loss straggling of 2 × 10 MeV/u Kr ions in gases. <i>European Physical Journal D</i> , 2013, 67, 1.	0.6	13
50	Influence of inert gases on the reactive high power pulsed magnetron sputtering process of carbon-nitride thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, .	0.9	18
51	Reactive high power impulse magnetron sputtering of CF _x thin films in mixed Ar/CF ₄ and Ar/C ₄ F ₈ discharges. <i>Thin Solid Films</i> , 2013, 542, 21-30.	0.8	17
52	Influence of TiSi cathode grain size on the cathodic arc process and resulting TiSiN coatings. <i>Surface and Coatings Technology</i> , 2013, 235, 637-647.	2.2	16
53	Structural and mechanical properties of corundum and cubic (Al _{1-x} Cr _x) ₂ O ₃ coatings grown by reactive cathodic arc evaporation in as-deposited and annealed states. <i>Acta Materialia</i> , 2013, 61, 4811-4822.	3.8	29
54	10B multi-grid proportional gas counters for large area thermal neutron detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 720, 116-121.	0.7	33

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55	Phase stability and initial low-temperature oxidation mechanism of Ti ₂ AlC thin films. Journal of the European Ceramic Society, 2013, 33, 375-382.	2.8	45
56	Characterization of plasma chemistry and ion energy in cathodic arc plasma from Ti-Si cathodes of different compositions. Journal of Applied Physics, 2013, 113, 163304.	1.1	22
57	Toughness enhancement in hard ceramic thin films by alloy design. APL Materials, 2013, 1, .	2.2	109
58	Epitaxial V _{0.6} W _{0.4} N/MgO(001): Evidence for ordering on the cation sublattice. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	0.9	15
59	Microstructure and dielectric properties of piezoelectric magnetron sputtered w-Sc _x Al _{1-x} N thin films. Journal of Applied Physics, 2012, 111, .	1.1	93
60	B ₄ C thin films for neutron detection. Journal of Applied Physics, 2012, 111, .	1.1	128
61	Room-temperature heteroepitaxy of single-phase Al _{1-x} In _x N films with full composition range on isostructural wurtzite templates. Thin Solid Films, 2012, 524, 113-120.	0.8	24
62	ZrB ₂ thin films grown by high power impulse magnetron sputtering from a compound target. Thin Solid Films, 2012, 526, 163-167.	0.8	58
63	Growth of High Quality Epitaxial Rhombohedral Boron Nitride. Crystal Growth and Design, 2012, 12, 3215-3220.	1.4	60
64	A novel high-power pulse PECVD method. Surface and Coatings Technology, 2012, 206, 4562-4566.	2.2	24
65	Ti ₂ AlC nanocomposite coatings deposited by magnetron sputtering. Applied Surface Science, 2012, 258, 9907-9912.	3.1	25
66	Growth and characterization of epitaxial Ti ₃ GeC ₂ thin films on 4H-SiC(0001). Journal of Crystal Growth, 2012, 343, 133-137.	0.7	9
67	Structural and mechanical properties of Cr _{1-x} Al _x N thin films grown by cathodic arc deposition. Acta Materialia, 2012, 60, 6494-6507.	3.8	65
68	Arc deposition of Ti _{1-x} Si _x C _{1-x} N thin films from binary and ternary cathodes – Comparing sources of C. Surface and Coatings Technology, 2012, 213, 145-154.	2.2	15
69	Metal versus rare-gas ion irradiation during Ti _{1-x} Al _x N film growth by hybrid high power pulsed magnetron/dc magnetron co-sputtering using synchronized pulsed substrate bias. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2012, 30, .	0.9	98
70	Ion mass spectrometry investigations of the discharge during reactive high power pulsed and direct current magnetron sputtering of carbon in Ar and Ar/N ₂ . Journal of Applied Physics, 2012, 112, .	1.1	36
71	Low Temperature CVD of Thin, Amorphous Boron-Carbon Films for Neutron Detectors. Chemical Vapor Deposition, 2012, 18, 221-224.	1.4	22
72	Phase transformations in face centered cubic (Al _{0.32} Cr _{0.68}) ₂ O ₃ thin films. Surface and Coatings Technology, 2012, 206, 3216-3222.	2.2	37

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73	Reactive magnetron sputtering of uniform yttria-stabilized zirconia coatings in an industrial setup. <i>Surface and Coatings Technology</i> , 2012, 206, 4126-4131.	2.2	16
74	Role of Ti^{n+} and Al^{n+} ion irradiation ($n=1, 2$) during $Ti_{1-x}Al_xN$ alloy film growth in a hybrid HIPIMS/magnetron mode. <i>Surface and Coatings Technology</i> , 2012, 206, 4202-4211.	2.2	119
75	Effects of A-elements (A Si, Ge or Sn) on the structure and electrical contact properties of $Ti\hat{A}C\hat{A}Ag$ nanocomposites. <i>Thin Solid Films</i> , 2012, 520, 5128-5136.	0.8	10
76	On the effect of water and oxygen in chemical vapor deposition of boron nitride. <i>Thin Solid Films</i> , 2012, 520, 5889-5893.	0.8	12
77	Selection of metal ion irradiation for controlling $Ti\hat{A}xAl_xN$ alloy growth via hybrid HIPIMS/magnetron co-sputtering. <i>Vacuum</i> , 2012, 86, 1036-1040.	1.6	66
78	$Ti\hat{A}Si\hat{A}C\hat{A}N$ thin films grown by reactive arc evaporation from $Ti_{3</sub>SiC_{2</sub>}$ cathodes. <i>Journal of Materials Research</i> , 2011, 26, 874-881.	1.2	19
79	Structure and morphology of nickel-alumina/silica solar thermal selective absorbers. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1370-1375.	1.5	16
80	CFx thin solid films deposited by high power impulse magnetron sputtering: Synthesis and characterization. <i>Surface and Coatings Technology</i> , 2011, 206, 646-653.	2.2	43
81	Hysteresis and process stability in reactive high power impulse magnetron sputtering of metal oxides. <i>Thin Solid Films</i> , 2011, 519, 7779-7784.	0.8	82
82	Step-flow growth of nanolaminate Ti_3SiC_2 epitaxial layers on 4H-SiC(0 0 0 1). <i>Scripta Materialia</i> , 2011, 64, 1141-1144.	2.6	16
83	Epitaxial growth and electrical-transport properties of $Ti_7Si_2C_5$ thin films synthesized by reactive sputter-deposition. <i>Scripta Materialia</i> , 2011, 65, 811-814.	2.6	25
84	Two-domain formation during the epitaxial growth of GaN (0001) on <i>c</i> -plane Al_2O_3 (0001) by high power impulse magnetron sputtering. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	18
85	Epitaxial CVD growth of sp^2 -hybridized boron nitride using aluminum nitride as buffer layer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2011, 5, 397-399.	1.2	44
86	Effect of peak power in reactive high power impulse magnetron sputtering of titanium dioxide. <i>Surface and Coatings Technology</i> , 2011, 205, 4828-4831.	2.2	70
87	Layer formation by resputtering in $Ti\hat{A}Si\hat{A}C$ hard coatings during large scale cathodic arc deposition. <i>Surface and Coatings Technology</i> , 2011, 205, 3923-3930.	2.2	83
88	Face-centered cubic $(Al\hat{A}xCr_x)2O_3$. <i>Thin Solid Films</i> , 2011, 519, 2426-2429.	0.8	60
89	Mitigating the geometrical limitations of conventional sputtering by controlling the ion-to-neutral ratio during high power pulsed magnetron sputtering. <i>Thin Solid Films</i> , 2011, 519, 6354-6361.	0.8	48
90	Epitaxial growth and electrical transport properties of $Cr_{$math>GeC$$ thin films. <i>Physical Review B</i> , 2011, 84, .	1.1	56

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91	Anomalous high thermoelectric power factor in epitaxial ScN thin films. Applied Physics Letters, 2011, 99, .	1.5	84
92	Pattern-induced magnetic anisotropy in FePt thin films by ion irradiation. Physical Review B, 2011, 83, .	1.1	24
93	Phase-stabilization and substrate effects on nucleation and growth of (Ti,V) _n +1GeC _n thin films. Journal of Applied Physics, 2011, 110, .	1.1	20
94	Electronic-grade GaN(0001)/Al ₂ O ₃ (0001) grown by reactive DC-magnetron sputter epitaxy using a liquid Ga target. Applied Physics Letters, 2011, 98, .	1.5	52
95	Formation of basal plane fiber-textured Ti ₂ AlN films on amorphous substrates. Physica Status Solidi - Rapid Research Letters, 2010, 4, 121-123.	1.2	3
96	Transparent and conducting TiO ₂ :Nb films made by sputter deposition: Application to spectrally selective solar reflectors. Solar Energy Materials and Solar Cells, 2010, 94, 75-79.	3.0	28
97	On the film density using high power impulse magnetron sputtering. Surface and Coatings Technology, 2010, 205, 591-596.	2.2	317
98	Localised modifications of anatase TiO ₂ thin films by a Focused Ion Beam. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3142-3146.	0.6	1
99	ERD analysis and modification of TiO ₂ thin films with heavy ions. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1893-1898.	0.6	49
100	On the exciton model for ion-beam damage: The example of TiO ₂ . Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3122-3126.	0.6	16
101	Growth and structural properties of Mg:C thin films prepared by magnetron sputtering. Thin Solid Films, 2010, 518, 4225-4230.	0.8	18
102	Microstructure control of Cr _{Nx} films during high power impulse magnetron sputtering. Surface and Coatings Technology, 2010, 205, 118-130.	2.2	77
103	Microstructure evolution of Ti-Si-C-Ag nanocomposite coatings deposited by DC magnetron sputtering. Acta Materialia, 2010, 58, 6592-6599.	3.8	30
104	Effects of volume mismatch and electronic structure on the decomposition of ScAlN and TiAlN solid solutions. Physical Review B, 2010, 81, .	1.1	37
105	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C ₆₀ clusters. Journal of Chemical Physics, 2010, 133, 104301.	1.2	28
106	Thermal instability of implanted Mn ions in ZnO. Journal of Applied Physics, 2010, 107, 023507.	1.1	7
107	Cr_N Films Prepared by DC Magnetron Sputtering and High-Power Pulsed Magnetron Sputtering: A Comparative Study. IEEE Transactions on Plasma Science, 2010, 38, 3046-3056.	0.6	72
108	Patterning of rutile TiO ₂ surface by ion beam lithography through full-solid masks. Nanotechnology, 2010, 21, 235301.	1.3	13

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109	Localized ^{56}Fe ion implantation of TiO_2 using anodic porous alumina. Materials Research Society Symposia Proceedings, 2009, 1181, 23.	0.1	1
110	Continuous and Localized Mn Implantation of ZnO. Nanoscale Research Letters, 2009, 4, 878-887.	3.1	17
111	Formation and annealing behavior of prominent point defects in MeV ion implanted n-type epitaxial Si. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 159-160, 177-181.	1.7	1
112	Implantation of anatase thin film with 100 keV ^{56}Fe ions: Damage formation and magnetic behaviour. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2725-2730.	0.6	6
113	Influence of the target composition on reactively sputtered titanium oxide films. Vacuum, 2009, 83, 1295-1298.	1.6	24
114	Reduced photoluminescence from InGaN/GaN multiple quantum well structures following 40 MeV iodine ion irradiation. Physica B: Condensed Matter, 2009, 404, 4925-4928.	1.3	10
115	Effect of spatial defect distribution on the electrical behavior of prominent vacancy point defects in swift-ion implanted Si. Physical Review B, 2009, 79, .	1.1	17
116	Formation of surface nanostructures on rutile (TiO_2): comparative study of low-energy cluster ion and high-energy monoatomic ion impact. Journal Physics D: Applied Physics, 2009, 42, 205303.	1.3	20
117	Mapping of hydrogen isotopes with a scanning nuclear microprobe. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2429-2432.	0.6	3
118	Influence of the Chemical Composition on the Phase Constitution and the Elastic Properties of RF-Sputtered Hydroxyapatite Coatings. Plasma Processes and Polymers, 2008, 5, 168-174.	1.6	24
119	ERDA of $\text{Ni}/\text{Al}_2\text{O}_3/\text{SiO}_2$ solar thermal selective absorbers. Solar Energy Materials and Solar Cells, 2008, 92, 1177-1182.	3.0	25
120	Heavy ion beam-based nano- and micro-structuring of TiO_2 single crystals using self-assembled masks. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3113-3119.	0.6	25
121	Comparing XPS and ToF-ERDA measurement of high-k dielectric materials. Journal of Physics: Conference Series, 2008, 100, 012036.	0.3	2
122	Measurement of hydrogen isotopes by a nuclear microprobe. Journal of Physics: Conference Series, 2008, 100, 062029.	0.3	0
123	Temperature effect on low-k dielectric thin films studied by ERDA. Journal of Physics: Conference Series, 2008, 100, 012041.	0.3	2
124	High dose Fe implantation of GaN: damage build-up and dopant redistribution. Journal of Physics: Conference Series, 2008, 100, 042036.	0.3	3
125	Dopant distribution in high fluence Fe implanted GaN. Journal of Applied Physics, 2008, 104, 053509.	1.1	10
126	Swift Heavy Ion Beam-Based Nanopatterning Using Self-Assembled Masks. Materials Research Society Symposia Proceedings, 2007, 1020, 1.	0.1	0

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127	Nanopattern transfer to SiO ₂ by ion track lithography and highly selective HF vapor etching. Journal of Vacuum Science & Technology B, 2007, 25, 862.	1.3	9
128	Experimental and ab initio study of the mechanical properties of hydroxyapatite. Applied Physics Letters, 2007, 90, 193902.	1.5	68
129	Effects of low-fluence swift iodine ion bombardment on the crystallization of ion-beam-synthesized silicon carbide. Journal of Applied Physics, 2007, 101, 084311.	1.1	15
130	Multiple ionization and fragmentation of fullerene dimers by highly charged ion impact. Journal of Physics: Conference Series, 2007, 88, 012039.	0.3	2
131	Stabilities of multiply charged dimers and clusters of fullerenes. Journal of Chemical Physics, 2007, 126, 224303.	1.2	39
132	Effects on the structural and magnetic properties of amorphous ribbons of (Co _{0.94} Fe _{0.06}) _{72.5} Si _{12.5} B ₁₅ caused by 4MeV Cl ²⁺ ion irradiation. Journal of Non-Crystalline Solids, 2007, 353, 879-882.	1.5	3
133	Well-ordered nanopore arrays in rutile TiO ₂ single crystals by swift heavy ion-beam lithography. Nanotechnology, 2007, 18, 305303.	1.3	34
134	Even-odd effects in the ionization cross sections of [C ₆₀] ²⁺ and [C ₆₀ C ₇₀] ²⁺ dimers. Physical Review A, 2007, 75, .	1.0	36
135	Carbon nanopillar array deposition on by ion irradiation through a porous alumina template. Vacuum, 2007, 82, 359-362.	1.6	7
136	Activation energy of the growth of ion-beam-synthesized nano-crystalline 3C-SiC. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 195-198.	0.6	4
137	Surface patterning by heavy ion lithography using self-assembled colloidal masks. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 777-781.	0.6	13
138	Stopping power measurements of He ions in Si and SiC by time-of-flight spectrometry. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 1180-1183.	0.6	9
139	FePt thin film irradiated with high energy ions. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1724-1730.	0.8	9
140	Crystalline quality of 3C-SiC formed by high-fluence C ⁺ -implanted Si. Applied Surface Science, 2007, 253, 4836-4842.	3.1	12
141	Visualization of MeV ion impacts in Si using scanning capacitance microscopy. Physical Review B, 2006, 73, .	1.1	13
142	Fabrication of Well-Ordered High-Aspect-Ratio Nanopore Arrays in TiO ₂ Single Crystals. Nano Letters, 2006, 6, 1065-1068.	4.5	40
143	Lifetimes of C ₆₀ ²⁻ and C ₇₀ ²⁻ dianions in a storage ring. Journal of Chemical Physics, 2006, 124, 024310.	1.2	47
144	Fullerene collisions and clusters of fullerenes. International Journal of Mass Spectrometry, 2006, 252, 117-125.	0.7	5

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145	Scanning probe microscopy of single Au ion implants in Si. Materials Science and Engineering C, 2006, 26, 782-787.	3.8	0
146	Ion track formation below 1MeV/u in thin films of amorphous SiO ₂ . Nuclear Instruments & Methods in Physics Research B, 2006, 243, 119-126.	0.6	41
147	Electronic stopping forces of heavy ions in metal oxides. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 18-21.	0.6	11
148	Ion tracks in amorphous SiO ₂ irradiated with low and high energy heavy ions. Nuclear Instruments & Methods in Physics Research B, 2006, 245, 269-273.	0.6	24
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