

# Per Persson

## List of Publications by Year in descending order

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237  
papers

12,225  
citations

28274

55  
h-index

30922

102  
g-index

242  
all docs

242  
docs citations

242  
times ranked

8840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of in situ NH <sub>3</sub> pre-treatment of LPCVD SiN passivation on GaN HEMT performance. Semiconductor Science and Technology, 2022, 37, 035011.	2.0	8
2	MXene-based symmetric supercapacitors with high voltage and high energy density. Materials Reports Energy, 2022, 2, 100078.	3.2	10
3	Electron-phonon coupling and quantum correction to topological magnetoconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2022, 105, .	3.2	12
4	Epitaxial Growth of CaMnO <sub>3</sub> Films on LaAlO <sub>3</sub> (112 $\bar{0}$ ) by Pulsed Direct Current Reactive Magnetron Sputtering. Physica Status Solidi - Rapid Research Letters, 2022, 16, .	2.4	3
5	On the polarity determination and polarity inversion in nitrogen-polar group III-nitride layers grown on SiC. Journal of Applied Physics, 2022, 131, .	2.5	5
6	Effect of vacancies on the electrochemical behavior of Mo-based MXenes in aqueous supercapacitors. Journal of Power Sources, 2022, 525, 231064.	7.8	13
7	High-Entropy Laminate Metal Carbide (MAX Phase) and Its Two-Dimensional Derivative MXene. Chemistry of Materials, 2022, 34, 2098-2106.	6.7	60
8	Synthesis, characterization, and magnetic properties of rare earth containing Mo <sub>4/3</sub> RE <sub>2/3</sub> AlB <sub>2</sub> -MAB phases. Materials Research Letters, 2022, 10, 295-300.	8.7	3
9	Colorless-to-colorful switching of electrochromic MXene by reversible ion insertion. Nano Research, 2022, 15, 3587-3593.	10.4	16
10	Mg-doping and free-hole properties of hot-wall MOCVD GaN. Journal of Applied Physics, 2022, 131, .	2.5	14
11	Epitaxial growth of $\text{In}^2\text{-Ga}_2\text{O}_3$ by hot-wall MOCVD. AIP Advances, 2022, 12, .	1.3	17
12	MXene//MnO <sub>2</sub> Asymmetric Supercapacitors with High Voltages and High Energy Densities. Batteries and Supercaps, 2022, 5, .	4.7	4
13	On the nature of planar defects in transition metal diboride line compounds. Materialia, 2022, 24, 101478.	2.7	4
14	Cerium Oxide Nanoparticles with Entrapped Gadolinium for High $T_1$ Relaxivity and ROS-Scavenging Purposes. ACS Omega, 2022, 7, 21337-21345.	3.5	7
15	Solid-State Janus Nanoprecipitation Enables Amorphous-Like Heat Conduction in Crystalline Mg <sub>3</sub> Sb <sub>2</sub> -Based Thermoelectric Materials. Advanced Science, 2022, 9, .	11.2	12
16	Age hardening in superhard ZrB <sub>2</sub> -rich Zr <sub>1-x</sub> Ta <sub>x</sub> By thin films. Scripta Materialia, 2021, 191, 120-125.	5.2	28
17	Where is the unpaired transition metal in substoichiometric diboride line compounds?. Acta Materialia, 2021, 204, 116510.	7.9	21
18	Tailored synthesis approach of (Mo <sub>2/3</sub> Y <sub>1/3</sub> ) <sub>2</sub> AlC $\text{i}$ -MAX and its two-dimensional derivative Mo <sub>1.33</sub> CT <sub>z</sub> MXene: enhancing the yield, quality, and performance in supercapacitor applications. Nanoscale, 2021, 13, 311-319.	5.6	22

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19	Halogenated Ti <sub>3</sub> C <sub>2</sub> MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085.	14.6	183
20	Ultrafast, One-Step, Salt-Solution-Based Acoustic Synthesis of Ti <sub>3</sub> C <sub>2</sub> MXene. ACS Nano, 2021, 15, 4287-4293.	14.6	103
21	On the origin of kinking in layered crystalline solids. Materials Today, 2021, 43, 45-52.	14.2	28
22	Exploring MXenes and their MAX phase precursors by electron microscopy. Materials Today Advances, 2021, 9, 100123.	5.2	26
23	In-situ growth of cerium nanoparticles for chrome-free, corrosion resistant anodic coatings. Surface and Coatings Technology, 2021, 410, 126958.	4.8	8
24	In situ He <sup>+</sup> irradiation of the double solid solution (Ti <sub>0.5</sub> Zr <sub>0.5</sub> ) <sub>2</sub> (Al <sub>0.5</sub> Sn <sub>0.5</sub> )C MAX phase: Defect evolution in the 350–800 Å°C temperature range. Acta Materialia, 2021, 206, 116606.	7.9	9
25	Synthesis and Characterisation of Nanocomposite Mo-Fe-B Thin Films Deposited by Magnetron Sputtering. Materials, 2021, 14, 1739.	2.9	4
26	Material proposal for 2D indium oxide. Applied Surface Science, 2021, 548, 149275.	6.1	50
27	Deposition of MAX phase-containing thin films from a (Ti,Zr) <sub>2</sub> AlC compound target. Applied Surface Science, 2021, 551, 149370.	6.1	10
28	Electrochemical Lithium Storage Performance of Molten Salt Derived V <sub>2</sub> SnC MAX Phase. Nano-Micro Letters, 2021, 13, 158.	27.0	23
29	Boridene: Two-dimensional Mo <sub>4/3</sub> B <sub>2-x</sub> with ordered metal vacancies obtained by chemical exfoliation. Science, 2021, 373, 801-805.	12.6	126
30	Out-of-Plane Ordered Laminate Borides and Their 2D Ti-Based Derivative from Chemical Exfoliation. Advanced Materials, 2021, 33, e2008361.	21.0	14
31	Near-room temperature ferromagnetic behavior of single-atom-thick 2D iron in nanolaminated ternary MAX phases. Applied Physics Reviews, 2021, 8, .	11.3	14
32	Enhanced supercapacitive performance of Mo <sub>1.33</sub> C MXene based asymmetric supercapacitors in lithium chloride electrolyte. Energy Storage Materials, 2021, 41, 203-208.	18.0	30
33	Improved charge storage performance of a layered Mo <sub>1.33</sub> C MXene/MoS <sub>2</sub> /graphene nanocomposite. Nanoscale Advances, 2021, 3, 6689-6695.	4.6	2
34	Flexible Free-Standing MoO <sub>3</sub> /Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene Composite Films with High Gravimetric and Volumetric Capacities. Advanced Science, 2021, 8, 2003656.	11.2	59
35	Origin of layer decoupling in ordered multilayer graphene grown by high-temperature sublimation on C-face 4H-SiC. APL Materials, 2020, 8, .	5.1	4
36	Multielemental single-atom-thick A layers in nanolaminated V <sub>2</sub> (Sn, A)C ( ) Tj ETQq0 0 0 rgBT /Overlock 1 Sciences of the United States of America, 2020, 117, 820-825.	7.1	84

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37	Ta-based 413 and 211 MAX phase solid solutions with Hf and Nb. Journal of the European Ceramic Society, 2020, 40, 1829-1838.	5.7	31
38	Microwave-Induced Structural Ordering of Resilient Nanostructured L1 <sub>0</sub> -FePt Catalysts for Oxygen Reduction Reaction. ACS Applied Energy Materials, 2020, 3, 9785-9791.	5.1	4
39	Theoretical Prediction and Synthesis of a Family of Atomic Laminate Metal Borides with In-Plane Chemical Ordering. Journal of the American Chemical Society, 2020, 142, 18583-18591.	13.7	55
40	Improving the high-temperature oxidation resistance of TiB <sub>2</sub> thin films by alloying with Al. Acta Materialia, 2020, 196, 677-689.	7.9	65
41	X-ray Photoelectron Spectroscopy of Ti <sub>3</sub> AlC <sub>2</sub> , Ti <sub>3</sub> C <sub>2</sub> Ti <sub>z</sub> , and TiC Provides Evidence for the Electrostatic Interaction between Laminated Layers in MAX-Phase Materials. Journal of Physical Chemistry C, 2020, 124, 27732-27742.	3.1	71
42	Self-organized columnar Zr <sub>0.7</sub> Ta <sub>0.3</sub> B <sub>1.5</sub> core/shell-nanostructure thin films. Surface and Coatings Technology, 2020, 401, 126237.	4.8	15
43	High-Selectivity Growth of GaN Nanorod Arrays by Liquid-Target Magnetron Sputter Epitaxy. Coatings, 2020, 10, 719.	2.6	1
44	Microstructure and materials properties of understoichiometric TiB <sub>x</sub> thin films grown by HiPIMS. Surface and Coatings Technology, 2020, 404, 126537.	4.8	33
45	Tactile sensory coding and learning with bio-inspired optoelectronic spiking afferent nerves. Nature Communications, 2020, 11, 1369.	12.8	141
46	A flexible semitransparent photovoltaic supercapacitor based on water-processed MXene electrodes. Journal of Materials Chemistry A, 2020, 8, 5467-5475.	10.3	79
47	How Much Oxygen Can a MXene Surface Take Before It Breaks?. Advanced Functional Materials, 2020, 30, 1909005.	14.9	111
48	The influence of pressure and magnetic field on the deposition of epitaxial TiB <sub>x</sub> thin films from DC magnetron sputtering. Vacuum, 2020, 177, 109355.	3.5	14
49	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. Nature Materials, 2020, 19, 894-899.	27.5	870
50	The effects of microstructure, Nb content and secondary Ruddlesden-Popper phase on thermoelectric properties in perovskite CaMn <sub>1-x</sub> Nb <sub>x</sub> O <sub>3</sub> ( <i>x</i> ) Tj ETQp00 0 rgB7 /Overlock		
51	Single-Atom-Thick Active Layers Realized in Nanolaminated Ti <sub>3</sub> (Al <sub>x</sub> Cu <sub>1-x</sub> )C <sub>2</sub> and Its Artificial Enzyme Behavior. ACS Nano, 2019, 13, 9198-9205.	14.6	59
52	Ti <sub>n+1</sub> C <sub>n</sub> MXenes with fully saturated and thermally stable Cl terminations. Nanoscale Advances, 2019, 1, 3680-3685.	4.6	81
53	Synthesis of (V <sub>2/3</sub> Sc <sub>1/3</sub> ) <sub>2</sub> AlC i-MAX phase and V <sub>2x</sub> C MXene scrolls. Nanoscale, 2019, 11, 14720-14726.	5.6	52
54	Synthesis of MAX phases Nb <sub>2</sub> Cu and Ti <sub>2</sub> (Al <sub>0.1</sub> Cu <sub>0.9</sub> )N by A-site replacement reaction in molten salts. Materials Research Letters, 2019, 7, 510-516.	8.7	58

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55	Theoretical Analysis, Synthesis, and Characterization of 2D $W_{1.33}C$ (MXene) with Ordered Vacancies. <i>ACS Applied Nano Materials</i> , 2019, 2, 6209-6219.	5.0	37
56	Two-Dimensional Hydroxyl-Functionalized and Carbon-Deficient Scandium Carbide, $ScC_{i>x</i>OH}$ , a Direct Band Gap Semiconductor. <i>ACS Nano</i> , 2019, 13, 1195-1203.	14.6	30
57	Electronic and optical characterization of 2D $Ti_2C$ and $Nb_2C$ (MXene) thin films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 165301.	1.8	74
58	Polymer-MXene composite films formed by MXene-facilitated electrochemical polymerization for flexible solid-state microsupercapacitors. <i>Nano Energy</i> , 2019, 60, 734-742.	16.0	124
59	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 4730-4737.	13.7	811
60	Influence of the Al concentration in Ti-Al-B coatings on microstructure and mechanical properties using combinatorial sputtering from a segmented $TiB_2/AlB_2$ target. <i>Surface and Coatings Technology</i> , 2019, 364, 89-98.	4.8	24
61	Slot-Die-Printed Two-Dimensional $ZrS_3$ Charge Transport Layer for Perovskite Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 48021-48028.	8.0	13
62	2D Transition Metal Carbides (MXenes) for Carbon Capture. <i>Advanced Materials</i> , 2019, 31, e1805472.	21.0	184
63	Synthesis and characterization of $(Ti_1-Al)_B2+$ thin films from combinatorial magnetron sputtering. <i>Thin Solid Films</i> , 2019, 669, 181-187.	1.8	24
64	MXene Surface Chemistry. , 2019, , 125-136.		2
65	Tailoring Structure, Composition, and Energy Storage Properties of MXenes from Selective Etching of $In\epsilon$ Plane, Chemically Ordered MAX Phases. <i>Small</i> , 2018, 14, e1703676.	10.0	174
66	$W\epsilon$ Based Atomic Laminates and Their 2D Derivative $W_{1.33}C$ MXene with Vacancy Ordering. <i>Advanced Materials</i> , 2018, 30, e1706409.	21.0	240
67	Site-controlled growth of GaN nanorod arrays by magnetron sputter epitaxy. <i>Thin Solid Films</i> , 2018, 660, 950-955.	1.8	7
68	Self-Healing in Carbon Nitride Evidenced As Material Inflation and Superlubric Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16238-16243.	8.0	51
69	Single Cr atom catalytic growth of graphene. <i>Nano Research</i> , 2018, 11, 2405-2411.	10.4	41
70	On the organization and thermal behavior of functional groups on $Ti_3C_2$ MXene surfaces in vacuum. <i>2D Materials</i> , 2018, 5, 015002.	4.4	219
71	High-Performance Ultrathin Flexible Solid-State Supercapacitors Based on Solution Processable $Mo_{1.33}C$ MXene and PEDOT:PSS. <i>Advanced Functional Materials</i> , 2018, 28, 1703808.	14.9	196
72	Sodium hydroxide and vacuum annealing modifications of the surface terminations of a $Ti_3C_2$ (MXene) epitaxial thin film. <i>RSC Advances</i> , 2018, 8, 36785-36790.	3.6	49

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73	Etching behaviors of tunneling magnetoresistive (TMR) materials by ion beam etching system. Materials Today: Proceedings, 2018, 5, 15186-15191.	1.8	1
74	Self-structuring in $Zr_{1-x}Al_xN$ films as a function of composition and growth temperature. Scientific Reports, 2018, 8, 16327.	3.3	9
75	Thermal Stress Evaluation of Tunneling Magnetoresistive Structures in Data Storage Devices. IEEE Magnetics Letters, 2018, 9, 1-4.	1.1	2
76	On the Structural Stability of MXene and the Role of Transition Metal Adatoms. Nanoscale, 2018, 10, 10850-10855.	5.6	71
77	Sequential magnetic switching in Fe/MgO(001) superlattices. Physical Review B, 2018, 97, .	3.2	5
78	Synthesis of Two-Dimensional $Nb_{1.33}C$ (MXene) with Randomly Distributed Vacancies by Etching of the Quaternary Solid Solution $(Nb_{2/3}Sc_{1/3})_2AlC$ MAX Phase. ACS Applied Nano Materials, 2018, 1, 2455-2460.	5.0	154
79	Effects of $N_2$ Partial Pressure on Growth, Structure, and Optical Properties of GaN Nanorods Deposited by Liquid-Target Reactive Magnetron Sputter Epitaxy. Nanomaterials, 2018, 8, 223.	4.1	8
80	Resolving the debated atomic structure of the metastable cubic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Si} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \text{N} \langle \text{mml:mi} \text{x} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ tissue phase in nanocomposites with TiN. Physical Review Materials, 2018, 2, .	2.4	0
81	Graphene on graphene formation from PMMA residues during annealing. Vacuum, 2017, 137, 191-194.	3.5	6
82	Layered ternary $M_{n+1}AX_n$ phases and their 2D derivative MXene: an overview from a thin-film perspective. Journal Physics D: Applied Physics, 2017, 50, 113001.	2.8	216
83	Core-shell formation in self-induced InAlN nanorods. Nanotechnology, 2017, 28, 115602.	2.6	4
84	Strategies to initiate and control the nucleation behavior of bimetallic nanoparticles. Nanoscale, 2017, 9, 8149-8156.	5.6	18
85	Two-dimensional $Mo_{1.33}C$ MXene with divacancy ordering prepared from parent 3D laminate with in-plane chemical ordering. Nature Communications, 2017, 8, 14949.	12.8	525
86	Direct observation of spinodal decomposition phenomena in InAlN alloys during in-situ STEM heating. Scientific Reports, 2017, 7, 44390.	3.3	20
87	Synthesis and characterisation of Mo-B-C thin films deposited by non-reactive DC magnetron sputtering. Surface and Coatings Technology, 2017, 309, 506-515.	4.8	20
88	Selective-area growth of single-crystal wurtzite GaN nanorods on $SiO_x/Si(001)$ substrates by reactive magnetron sputter epitaxy exhibiting single-mode lasing. Scientific Reports, 2017, 7, 12701.	3.3	14
89	Phase formation of nanolaminated $Mo_2AuC$ and $Mo_2(Au_{1-x}Ga_x)_2C$ by a substitutional reaction within Au-capped $Mo_2GaC$ and $Mo_2Ga_2C$ thin films. Nanoscale, 2017, 9, 17681-17687.	5.6	43
90	Age hardening in $(Ti_{1-x}Al_x)B_{2+1}$ thin films. Scripta Materialia, 2017, 127, 122-126.	5.2	38

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91	Magnetron Sputter Epitaxy of High-Quality GaN Nanorods on Functional and Cost-Effective Templates/Substrates. <i>Energies</i> , 2017, 10, 1322.	3.1	18
92	Influence of pulse frequency and bias on microstructure and mechanical properties of TiB <sub>2</sub> coatings deposited by high power impulse magnetron sputtering. <i>Surface and Coatings Technology</i> , 2016, 304, 203-210.	4.8	61
93	Synthesis and characterization of MoB <sub>2-x</sub> thin films grown by nonreactive DC magnetron sputtering. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	2.1	32
94	Correlative theoretical and experimental investigation of the formation of Al <sub>3</sub> YB <sub>14</sub> and competing phases. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	6
95	A study of formation and growth of the anodised surface layer on cast Al-Si alloys based on different analytical techniques. <i>Materials and Design</i> , 2016, 101, 254-262.	7.0	36
96	Synthesis of MAX Phases in the Hf-Al-C System. <i>Inorganic Chemistry</i> , 2016, 55, 10922-10927.	4.0	57
97	Strongly polarized quantum-dot-like light emitters embedded in GaAs/GaNAs core/shell nanowires. <i>Nanoscale</i> , 2016, 8, 15939-15947.	5.6	22
98	Atomically resolved microscopy of ion implantation induced dislocation loops in 4H-SiC. <i>Materials Letters</i> , 2016, 181, 325-327.	2.6	12
99	Thermoelectric Properties of Solution-Processed n-Doped Ladder-Type Conducting Polymers. <i>Advanced Materials</i> , 2016, 28, 10764-10771.	21.0	245
100	Nucleation and core-shell formation mechanism of self-induced In <sub>x</sub> Al <sub>1-x</sub> N core-shell nanorods grown on sapphire substrates by magnetron sputter epitaxy. <i>Vacuum</i> , 2016, 131, 39-43.	3.5	9
101	Properties of Sc <sub>x</sub> Al <sub>1-x</sub> N (x=0.27) thin films on sapphire and silicon substrates upon high temperature loading. <i>Microsystem Technologies</i> , 2016, 22, 1679-1689.	2.0	19
102	Interface controlled microstructure evolution in nanolayered thin films. <i>Scripta Materialia</i> , 2016, 123, 13-16.	5.2	9
103	Ab initio calculations and experimental study of piezoelectric YIn <sub>1-x</sub> N thin films deposited using reactive magnetron sputter epitaxy. <i>Acta Materialia</i> , 2016, 105, 199-206.	7.9	20
104	Residue reduction and intersurface interaction on single graphene sheets. <i>Carbon</i> , 2016, 100, 345-350.	10.3	8
105	Room-temperature mobility above 2200 cm <sup>2</sup> /V·s of two-dimensional electron gas in a sharp-interface AlGa <sub>N</sub> /Ga <sub>N</sub> heterostructure. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	43
106	Structural and compositional evolutions of In <sub>x</sub> Al <sub>1-x</sub> N core-shell nanorods grown on Si(111) substrates by reactive magnetron sputter epitaxy. <i>Nanotechnology</i> , 2015, 26, 215602.	2.6	20
107	Structure and properties of Cr <sub>2</sub> C/Ag films deposited by magnetron sputtering. <i>Surface and Coatings Technology</i> , 2015, 281, 184-192.	4.8	20
108	Liquid-target reactive magnetron sputter epitaxy of High quality GaN(0001 <sub>l</sub> ,) nanorods on Si(111). <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 702-710.	4.0	22

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109	Stabilization of wurtzite Sc <sub>0.4</sub> Al <sub>0.6</sub> N in pseudomorphic epitaxial Sc Al <sub>1-x</sub> N/In Al <sub>1-x</sub> N superlattices. Acta Materialia, 2015, 94, 101-110.	7.9	19
110	Atomically Resolved Structural and Chemical Investigation of Single MXene Sheets. Nano Letters, 2015, 15, 4955-4960.	9.1	415
111	Effects of Polytypism on Optical Properties and Band Structure of Individual Ga(N)P Nanowires from Correlative Spatially Resolved Structural and Optical Studies. Nano Letters, 2015, 15, 4052-4058.	9.1	19
112	Structural properties and dielectric function of graphene grown by high-temperature sublimation on 4H-SiC(000-1). Journal of Applied Physics, 2015, 117, .	2.5	16
113	Correlation between switching to n-type conductivity and structural defects in highly Mg-doped InN. Applied Physics Letters, 2015, 106, 232102.	3.3	7
114	Curved-Lattice Epitaxial Growth of In <sub>x</sub> Al <sub>1-x</sub> N Nanospirals with Tailored Chirality. Nano Letters, 2015, 15, 294-300.	9.1	19
115	Nanostructuring and coherency strain in multicomponent hard coatings. APL Materials, 2014, 2, 116104.	5.1	6
116	Stress evolution during growth of GaN (0001)/Al <sub>2</sub> O <sub>3</sub> (0001) by reactive dc magnetron sputter epitaxy. Journal Physics D: Applied Physics, 2014, 47, 145301.	2.8	11
117	Superhard NbB <sub>2</sub> thin films deposited by dc magnetron sputtering. Surface and Coatings Technology, 2014, 257, 295-300.	4.8	50
118	Assessing structural, free-charge carrier, and phonon properties of mixed-phase epitaxial films: The case of InN. Physical Review B, 2014, 90, .	3.2	15
119	Synthesis and characterization of arc deposited magnetic (Cr,Mn) <sub>2</sub> AlC MAX phase films. Physica Status Solidi - Rapid Research Letters, 2014, 8, 420-423.	2.4	83
120	Excitons and biexcitons in InGaN quantum dot like localization centers. Nanotechnology, 2014, 25, 495702.	2.6	6
121	A Nanolaminated Magnetic Phase: Mn <sub>2</sub> GaC. Materials Research Letters, 2014, 2, 89-93.	8.7	128
122	Characterization of InGaN/GaN quantum well growth using monochromated valence electron energy loss spectroscopy. Journal of Applied Physics, 2014, 115, 034302.	2.5	3
123	Optical properties of CuCdTeO thin films sputtered from CdTe-CuO composite targets. Thin Solid Films, 2014, 571, 706-711.	1.8	7
124	Structural and magnetic properties of (Cr <sub>1-x</sub> Mn <sub>x</sub> ) <sub>5</sub> Al <sub>8</sub> solid solution and structural relation to hexagonal nanolaminates. Journal of Materials Science, 2014, 49, 7099-7104.	3.7	6
125	Origin of Strong Photoluminescence Polarization in GaNP Nanowires. Nano Letters, 2014, 14, 5264-5269.	9.1	22
126	Oxygen incorporation in Ti <sub>2</sub> AlC thin films studied by electron energy loss spectroscopy and ab initio calculations. Journal of Materials Science, 2013, 48, 3686-3691.	3.7	17

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127	Synthesis and <i>ab initio</i> calculations of nanolaminated (Cr,Mn)AlC compounds. Physical Review B, 2013, 87, .	3.2	93
128	<i>In situ</i> transmission electron microscopy studies of the kinetics of Pt-Mo alloy diffusion in ZrB <sub>2</sub> thin films. Applied Physics Letters, 2013, 103, .	3.3	9
129	Thermal stability of Al <sub>1-x</sub> In <sub>x</sub> N (0001) throughout the compositional range as investigated during <i>in situ</i> thermal annealing in a scanning transmission electron microscope. Acta Materialia, 2013, 61, 4683-4688.	7.9	12
130	AuAl <sub>2</sub> and PtAl <sub>2</sub> as potential plasmonic materials. Journal of Alloys and Compounds, 2013, 577, 581-586.	5.5	26
131	Magnetic Self-Organized Atomic Laminate from First Principles and Thin Film Synthesis. Physical Review Letters, 2013, 110, 195502.	7.8	146
132	Phase stability of Cr <sub>n+1</sub> GaC <sub>n</sub> MAX phases from first principles and Cr <sub>2</sub> GaC thin film synthesis using magnetron sputtering from elemental targets. Physica Status Solidi - Rapid Research Letters, 2013, 7, 971-974.	2.4	32
133	Self-organization during growth of ZrN/SiNx multilayers by epitaxial lateral overgrowth. Journal of Applied Physics, 2013, 114, 224302.	2.5	11
134	Nucleation of single GaN nanorods with diameters smaller than 35 nm by molecular beam epitaxy. Applied Physics Letters, 2013, 103, .	3.3	6
135	Kinetics of Ga droplet decay on thin carbon films. Applied Physics Letters, 2013, 102, .	3.3	9
136	Microstructure and dielectric properties of piezoelectric magnetron sputtered w-S <sub>x</sub> Al <sub>1-x</sub> N thin films. Journal of Applied Physics, 2012, 111, .	2.5	93
137	Room-temperature heteroepitaxy of single-phase Al <sub>1-x</sub> In <sub>x</sub> N films with full composition range on isostructural wurtzite templates. Thin Solid Films, 2012, 524, 113-120.	1.8	24
138	InGa <sub>n</sub> quantum dot formation mechanism on hexagonal GaN/InGa <sub>n</sub> /GaN pyramids. Nanotechnology, 2012, 23, 305708.	2.6	26
139	Y <sub>x</sub> Al <sub>1-x</sub> N thin films. Journal Physics D: Applied Physics, 2012, 45, 422001.	2.8	42
140	Substrate orientation effects on the nucleation and growth of the Mn <sub>1-x</sub> Al <sub>x</sub> phase Ti <sub>2</sub> AlC. Journal of Applied Physics, 2011, 109, 014903.	2.5	18
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