

David J Smith

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644
papers

19,031
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66
h-index

104
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685
ext. papers

20,361
ext. citations

4.4
avg, IF

6.64
L-index

#	Paper	IF	Citations
644	Giant magnetoresistance in antiferromagnetic Co/Cu multilayers. <i>Applied Physics Letters</i> , 1991 , 58, 2710-2712	3.4	534
643	Bulk production of a new form of sp(2) carbon: crystalline graphene nanoribbons. <i>Nano Letters</i> , 2008 , 8, 2773-8	11.5	524
642	Ex-MWNTs: graphene sheets and ribbons produced by lithium intercalation and exfoliation of carbon nanotubes. <i>Nano Letters</i> , 2009 , 9, 1527-33	11.5	326
641	Covalently bonded three-dimensional carbon nanotube solids via boron induced nanojunctions. <i>Scientific Reports</i> , 2012 , 2, 363	4.9	300
640	Urine steroid metabolomics as a biomarker tool for detecting malignancy in adrenal tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, 3775-84	5.6	293
639	An investigation of grain boundaries in submicrometer-grained Al-Mg solid solution alloys using high-resolution electron microscopy. <i>Journal of Materials Research</i> , 1996 , 11, 1880-1890	2.5	291
638	Direct surface imaging in small metal particles. <i>Nature</i> , 1983 , 303, 316-317	50.4	227
637	Ge _{1-x} Sn _x semiconductors for band-gap and lattice engineering. <i>Applied Physics Letters</i> , 2002 , 81, 2992-2994	3.4	217
636	Human spermatozoa migration in microchannels reveals boundary-following navigation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 8007-10	11.5	193
635	Nitrogen-mediated carbon nanotube growth: diameter reduction, metallicity, bundle dispersability, and bamboo-like structure formation. <i>ACS Nano</i> , 2007 , 1, 369-75	16.7	185
634	Observation of ferromagnetism above 900K in Cr ₂ AlN and CrAlN. <i>Applied Physics Letters</i> , 2004 , 85, 4076-4078	3.4	182
633	Heterodoped nanotubes: theory, synthesis, and characterization of phosphorus-nitrogen doped multiwalled carbon nanotubes. <i>ACS Nano</i> , 2008 , 2, 441-8	16.7	165
632	Strain-Driven Alloying in Ge/Si(100) Coherent Islands. <i>Physical Review Letters</i> , 1999 , 83, 1199-1202	7.4	163
631	The importance of beam alignment and crystal tilt in high resolution electron microscopy. <i>Ultramicroscopy</i> , 1983 , 11, 263-281	3.1	161
630	High resolution studies of small particles of gold and silver. <i>Journal of Crystal Growth</i> , 1981 , 54, 425-432	1.6	160
629	Synthesis, characterization, and modeling of high quality ferromagnetic Cr-doped AlN thin films. <i>Applied Physics Letters</i> , 2003 , 82, 3047-3049	3.4	159
628	Imaging of atomic clouds outside the surfaces of gold crystals by electron microscopy. <i>Nature</i> , 1985 , 317, 47-49	50.4	157

627	Atomic structure of symmetric tilt grain boundaries in NiO. <i>Physical Review Letters</i> , 1987 , 59, 2887-2890	7.4	155
626	Electron Holography: Phase Imaging with Nanometer Resolution. <i>Annual Review of Materials Research</i> , 2007 , 37, 729-767	12.8	152
625	Evolution of Ge/Si(100) islands: Island size and temperature dependence. <i>Journal of Applied Physics</i> , 2000 , 87, 2245-2254	2.5	143
624	Efficient anchoring of silver nanoparticles on N-doped carbon nanotubes. <i>Small</i> , 2006 , 2, 346-50	11	138
623	Observations of grain boundary structure in submicrometer-grained Cu and Ni using high-resolution electron microscopy. <i>Journal of Materials Research</i> , 1998 , 13, 446-450	2.5	138
622	Formation of threading defects in GaN wurtzite films grown on nonisomorphic substrates. <i>Applied Physics Letters</i> , 1995 , 67, 2063-2065	3.4	138
621	Accurate measurements of mean inner potential of crystal wedges using digital electron holograms. <i>Ultramicroscopy</i> , 1993 , 50, 285-299	3.1	137
620	Ultimate resolution in the electron microscope?. <i>Materials Today</i> , 2008 , 11, 30-38	21.8	128
619	Deep ultraviolet emitting AlGaIn quantum wells with high internal quantum efficiency. <i>Applied Physics Letters</i> , 2009 , 94, 181907	3.4	118
618	Direct observation of potential distribution across Si/Si p-n junctions using off-axis electron holography. <i>Applied Physics Letters</i> , 1994 , 65, 2603-2605	3.4	114
617	Endotaxial silicide nanowires. <i>Physical Review Letters</i> , 2004 , 93, 256102	7.4	111
616	The Study of Heterogeneous Catalysts by High-Resolution Transmission Electron Microscopy. <i>Catalysis Reviews - Science and Engineering</i> , 1992 , 34, 129-178	12.6	109
615	Thermal refugia against coral bleaching throughout the northern Red Sea. <i>Global Change Biology</i> , 2018 , 24, e474-e484	11.4	107
614	Chemical vapor deposition synthesis of N-, P-, and Si-doped single-walled carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 1696-702	16.7	101
613	Direct observation of the surfaces of small metal crystallites: rhodium supported on titania. <i>Langmuir</i> , 1988 , 4, 827-830	4	98
612	Structural properties of InN films grown on GaAs substrates: observation of the zincblende polytype. <i>Journal of Crystal Growth</i> , 1993 , 127, 204-208	1.6	97
611	Above 400-K robust perpendicular ferromagnetic phase in a topological insulator. <i>Science Advances</i> , 2017 , 3, e1700307	14.3	96
610	Optical properties of GaN grown on ZnO by reactive molecular beam epitaxy. <i>Applied Physics Letters</i> , 1997 , 70, 467-469	3.4	91

609	Spin-dependent transport of CoBiO ₂ granular films approaching percolation. <i>Physical Review B</i> , 2000 , 62, 14273-14278	3.3	90
608	Microstructure and optical properties of epitaxial GaN on ZnO (0001) grown by reactive molecular beam epitaxy. <i>Journal of Applied Physics</i> , 1998 , 83, 983-990	2.5	90
607	Reversibility of strong metal-support interactions on Rh/TiO ₂ . <i>Journal of Catalysis</i> , 1989 , 118, 227-237	7.3	90
606	Power-by-the-hour: the role of technology in reshaping business strategy at Rolls-Royce. <i>Technology Analysis and Strategic Management</i> , 2013 , 25, 987-1007	3.2	89
605	Mapping of electrostatic potential in deep submicron CMOS devices by electron holography. <i>Physical Review Letters</i> , 2002 , 89, 025502	7.4	89
604	Towards quantitative electron holography of magnetic thin films using in situ magnetization reversal. <i>Ultramicroscopy</i> , 1998 , 74, 61-73	3.1	85
603	Vapor-liquid-solid growth of germanium nanostructures on silicon. <i>Journal of Applied Physics</i> , 2004 , 96, 7556-7567	2.5	85
602	Magnetic interactions within patterned cobalt nanostructures using off-axis electron holography. <i>Journal of Applied Physics</i> , 1998 , 84, 374-378	2.5	85
601	Electron microscopy at 1-Å resolution by entropy maximization and likelihood ranking. <i>Nature</i> , 1992 , 355, 605-609	50.4	85
600	Finite size effects on the moment and ordering temperature in antiferromagnetic CoO layers. <i>Physical Review B</i> , 2003 , 67,	3.3	83
599	High resolution studies of small particles of gold and silver. <i>Journal of Crystal Growth</i> , 1981 , 54, 433-438	1.6	82
598	The realization of atomic resolution with the electron microscope. <i>Reports on Progress in Physics</i> , 1997 , 60, 1513-1580	14.4	81
597	Interface structures in beta-silicon carbide thin films. <i>Applied Physics Letters</i> , 1987 , 50, 203-205	3.4	80
596	The electron-beam-induced reduction of transition metal oxide surfaces to metallic lower oxides. <i>Ultramicroscopy</i> , 1987 , 23, 299-303	3.1	80
595	Direct atomic imaging of solid surfaces. <i>Ultramicroscopy</i> , 1985 , 16, 101-113	3.1	80
594	Simultaneous Enhancement of Electrical Conductivity and Thermopower of Bi ₂ Te ₃ by Multifunctionality of Native Defects. <i>Advanced Materials</i> , 2015 , 27, 3681-6	24	79
593	Chemical vapor deposition of heteroepitaxial Si _{1-x} GexCy films on (100)Si substrates. <i>Applied Physics Letters</i> , 1994 , 65, 2559-2561	3.4	78
592	Characterization of structural defects in wurtzite GaN grown on 6H SiC using plasma-enhanced molecular beam epitaxy. <i>Applied Physics Letters</i> , 1995 , 67, 1830-1832	3.4	77

591	HREM and STEM of defects in multiply-twinned particles. <i>Journal of Microscopy</i> , 1983 , 130, 249-261	1.9	76
590	Enhancing exchange bias with diluted antiferromagnets. <i>Physical Review Letters</i> , 2006 , 96, 117204	7.4	75
589	Atomic-resolution study of structural rearrangements in small platinum crystals. <i>Ultramicroscopy</i> , 1986 , 20, 71-75	3.1	75
588	Epitaxial lateral overgrowth of (112 $\bar{2}$) semipolar GaN on (11 $\bar{0}$ 0) m-plane sapphire by metalorganic chemical vapor deposition. <i>Applied Physics Letters</i> , 2007 , 90, 182109	3.4	74
587	Nanometer-scale composition measurements of Ge/Si(100) islands. <i>Applied Physics Letters</i> , 2003 , 82, 1473-1475	3.4	74
586	Formation of a Tetrameric, Cyclooctane-like, Azidochlorogallane, [HClGaN ₃] ₄ , and Related Azidogallanes. Exothermic Single-Source Precursors to GaN Nanostructures. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5233-5237	16.4	73
585	Characterization of Al(Cr)N and Ga(Cr)N dilute magnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1395-1397	2.8	72
584	Sperm motility: is viscosity fundamental to progress?. <i>Molecular Human Reproduction</i> , 2011 , 17, 539-44	4.4	71
583	Quantitative analysis of one-dimensional dopant profile by electron holography. <i>Applied Physics Letters</i> , 2002 , 80, 3213-3215	3.4	71
582	An atomistic branching mechanism for carbon nanotubes: sulfur as the triggering agent. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2948-53	16.4	69
581	Magnetic iron silicide nanowires on Si(110). <i>Applied Physics Letters</i> , 2006 , 88, 113111	3.4	66
580	Magnetic correlations in non-percolated CoBiO ₂ granular films. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 221, 1-9	2.8	66
579	Magnetic anisotropy and microstructure in molecular beam epitaxial FePt (110)/MgO (110). <i>Journal of Applied Physics</i> , 1998 , 84, 934-939	2.5	66
578	Procedures for focusing, stigmating and alignment in high resolution electron microscopy. <i>Journal of Microscopy</i> , 1983 , 130, 187-201	1.9	65
577	Carrier density modulation in a germanium heterostructure by ferroelectric switching. <i>Nature Communications</i> , 2015 , 6, 6067	17.4	64
576	Left-right organizer flow dynamics: how much cilia activity reliably yields laterality?. <i>Developmental Cell</i> , 2014 , 29, 716-28	10.2	63
575	High quality large-area CdTe(211)B on Si(211) grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1997 , 71, 1810-1812	3.4	63
574	Correlation of coercivity and microstructure of thin CoFe films. <i>Journal of Applied Physics</i> , 2000 , 88, 2058-2062	2.9	63

573	Atomic resolution electron microscopy of NiO grain boundaries. <i>Ultramicroscopy</i> , 1987 , 22, 57-70	3.1	62
572	Direct atomic imaging of solid surfaces. <i>Surface Science</i> , 1984 , 143, 495-508	1.8	61
571	Grain boundary structure in AlMg and AlMgSc alloys after equal-channel angular pressing. <i>Journal of Materials Research</i> , 2001 , 16, 583-589	2.5	60
570	Direct Observation of Elastic and Plastic Deformations at Au(111) Surfaces. <i>Physical Review Letters</i> , 1984 , 52, 656-658	7.4	60
569	Physics of rheologically enhanced propulsion: Different strokes in generalized Stokes. <i>Physics of Fluids</i> , 2013 , 25, 081903	4.4	58
568	Observation of vertical honeycomb structure in InAlN/GaN heterostructures due to lateral phase separation. <i>Applied Physics Letters</i> , 2007 , 90, 081917	3.4	58
567	Switching asymmetries in closely coupled magnetic nanostructure arrays. <i>Applied Physics Letters</i> , 1999 , 75, 2641-2643	3.4	58
566	Atomic-scale chemical imaging and quantification of metallic alloy structures by energy-dispersive X-ray spectroscopy. <i>Scientific Reports</i> , 2014 , 4, 3945	4.9	57
565	Growth and characterization of pseudomorphic single crystal zinc blende MnS. <i>Applied Physics Letters</i> , 1995 , 67, 2690-2692	3.4	57
564	The determination of atomic positions in high-resolution electron micrographs. <i>Ultramicroscopy</i> , 1985 , 18, 39-47	3.1	57
563	Electron-beam-induced reactions at transition-metal oxide surfaces. <i>Vacuum</i> , 1991 , 42, 301-308	3.7	56
562	Talented suppliers? Strategic change and innovation in the UK aerospace industry. <i>R and D Management</i> , 2005 , 35, 37-49	4.1	55
561	Characterization of Group III-nitride semiconductors by high-resolution electron microscopy. <i>Journal of Crystal Growth</i> , 1995 , 152, 135-142	1.6	55
560	Microstructure of heteroepitaxial CdTe grown on misoriented Si(001) substrates. <i>Applied Physics Letters</i> , 1995 , 67, 1591-1593	3.4	54
559	Novel Synthetic Routes to Carbon Nitride. <i>Chemistry of Materials</i> , 1995 , 7, 1422-1426	9.6	54
558	Development of aberration-corrected electron microscopy. <i>Microscopy and Microanalysis</i> , 2008 , 14, 2-15	0.5	53
557	Methods for the measurement of rigid-body displacements at edge-on boundaries using high-resolution electron microscopy. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1985 , 50, 375-391		53
556	Plastic Deformation of BaTiO ₃ Ceramics by High-pressure Torsion and Changes in Phase Transformations, Optical and Dielectric Properties. <i>Materials Research Letters</i> , 2015 , 3, 216-221	7.4	52

555	Formation of metastable phases in magnesium-titanium system by high-pressure torsion and their hydrogen storage performance. <i>Acta Materialia</i> , 2015 , 99, 150-156	8.4	52
554	Effectiveness of TiN porous templates on the reduction of threading dislocations in GaN overgrowth by organometallic vapor-phase epitaxy. <i>Applied Physics Letters</i> , 2005 , 86, 043108	3.4	52
553	Dynamic observation of defect annealing in CdTe at lattice resolution. <i>Nature</i> , 1982 , 298, 127-131	50.4	52
552	Coral bleaching patterns are the outcome of complex biological and environmental networking. <i>Global Change Biology</i> , 2020 , 26, 68-79	11.4	52
551	Dysprosium silicide nanowires on Si(110). <i>Applied Physics Letters</i> , 2003 , 83, 5292-5294	3.4	51
550	A homologous series of recurrent intergrowth structures of the type $Bi_4Am + n [2Bm + nO_3(m + n) + 6]$ formed by oxides of the aurivillius family. <i>Journal of Solid State Chemistry</i> , 1984 , 55, 101-105	3.3	51
549	Origin of magnetization decay in spin-dependent tunnel junctions. <i>Science</i> , 1999 , 286, 1337-40	33.3	50
548	Structural properties of GaN films grown on sapphire by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1996 , 68, 1141-1143	3.4	50
547	Endotaxial silicide nanowires: A review. <i>Thin Solid Films</i> , 2011 , 519, 8434-8440	2.2	49
546	Atomic imaging of oxide surfaces. <i>Surface Science</i> , 1986 , 175, 673-683	1.8	49
545	Rapid optofluidic detection of biomarkers for traumatic brain injury via surface-enhanced Raman spectroscopy. <i>Nature Biomedical Engineering</i> , 2020 , 4, 610-623	19	49
544	Sub-250 nm room-temperature optical gain from AlGaIn/AlN multiple quantum wells with strong band-structure potential fluctuations. <i>Applied Physics Letters</i> , 2012 , 100, 061111	3.4	48
543	Tunable band structure in diamond-cubic tin-germanium alloys grown on silicon substrates. <i>Solid State Communications</i> , 2003 , 127, 355-359	1.6	48
542	Optimisation and applications of the Cambridge University 600 kV high resolution electron microscope. <i>Ultramicroscopy</i> , 1982 , 9, 203-213	3.1	48
541	Annealing of CoFeB/MgO based single and double barrier magnetic tunnel junctions: Tunnel magnetoresistance, bias dependence, and output voltage. <i>Journal of Applied Physics</i> , 2009 , 105, 033916	2.5	47
540	Non-anomalous high-resolution imaging of crystalline materials. <i>Ultramicroscopy</i> , 1985 , 16, 19-31	3.1	47
539	Magnetic tunnel junctions thermally stable to above 300 °C. <i>Applied Physics Letters</i> , 1999 , 75, 543-545	3.4	46
538	The measurement of boundary displacements in metals. <i>Ultramicroscopy</i> , 1984 , 14, 145-154	3.1	46

537	Efficient p-type doping of GaN films by plasma-assisted molecular beam epitaxy. <i>Applied Physics Letters</i> , 2004 , 85, 4956-4958	3.4	45
536	Epitaxial titanium silicide islands and nanowires. <i>Surface Science</i> , 2003 , 524, 148-156	1.8	45
535	Studies of electron irradiation and annealing effects on TiO ₂ surfaces in ultrahigh vacuum using high-resolution electron microscopy. <i>Surface Science</i> , 1991 , 250, 169-178	1.8	45
534	The high resolution electron microscopy of stacking defects in Cu ₃₁ Ni ₆₉ shape memory alloy. <i>Journal of Microscopy</i> , 1983 , 129, 295-306	1.9	45
533	The Role of Sulfur in the Synthesis of Novel Carbon Morphologies: From Covalent Y-Junctions to Sea-Urchin-Like Structures. <i>Advanced Functional Materials</i> , 2009 , 19, 1193-1199	15.6	44
532	Off-axis electron holography of epitaxial FePt films. <i>Journal of Applied Physics</i> , 1997 , 82, 2461-2465	2.5	44
531	Mapping In concentration, strain, and internal electric field in InGaN/GaN quantum well structure. <i>Applied Physics Letters</i> , 2004 , 84, 2103-2105	3.4	44
530	Observations of nanocrystals in thin TbFeCo films. <i>Applied Physics Letters</i> , 1989 , 55, 919-921	3.4	44
529	Observation of hole accumulation in Ge/Si core/shell nanowires using off-axis electron holography. <i>Nano Letters</i> , 2011 , 11, 493-7	11.5	43
528	Oriented growth of single-crystal Ni nanowires onto amorphous SiO ₂ . <i>Nano Letters</i> , 2010 , 10, 5070-5	11.5	43
527	Fabrication and thermal stability of a nanocrystalline Ni ₄₀ Cr alloy: Comparison with pure Cu and Ni. <i>Journal of Materials Research</i> , 1999 , 14, 4200-4207	2.5	43
526	Synthesis and characterization of heteroepitaxial diamond-structured Ge _{1-x} C _x (x=1.5-10%) alloys using chemical vapor deposition. <i>Applied Physics Letters</i> , 1996 , 68, 2407-2409	3.4	43
525	Atomic resolution with a 600-kV electron microscope. <i>Nature</i> , 1979 , 281, 49-51	50.4	43
524	Quantitative phase imaging of nanoscale electrostatic and magnetic fields using off-axis electron holography. <i>Ultramicroscopy</i> , 2010 , 110, 375-382	3.1	42
523	Simple chemical routes to diamond-cubic germanium _{1-x} In alloys. <i>Applied Physics Letters</i> , 2001 , 78, 3607-3609	3.9	42
522	Dependence of giant magnetoresistance on Cu-layer thickness in Co/Cu multilayers: A simple dilution effect. <i>Physical Review B</i> , 1993 , 47, 9136-9139	3.3	42
521	Direct observation of the structure of a metallic alloy glass. <i>Nature</i> , 1979 , 281, 465-467	50.4	42
520	β1-antitrypsin variants and the proteinase/antiproteinase imbalance in chronic obstructive pulmonary disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015 , 308, L179-90	5.8	41

519	Effect of microstructure on magnetic properties and anisotropy distributions in Co/Pd thin films and nanostructures. <i>Physical Review B</i> , 2009 , 80,	3.3	41
518	Measurement of lattice-fringe vectors from digital HREM images: experimental precision. <i>Ultramicroscopy</i> , 1995 , 57, 409-422	3.1	41
517	Atomic and electronic structure of the ferroelectric BaTiO ₃ /Ge(001) interface. <i>Applied Physics Letters</i> , 2014 , 104, 242908	3.4	40
516	Electron microscopy study of Ni/Ni ₃ Al diffusion-couple interface[] Microstructural observation and microchemical analysis. <i>Acta Metallurgica Et Materialia</i> , 1994 , 42, 3381-3387		40
515	Atomic layer deposition of crystalline SrHfO ₃ directly on Ge (001) for high-k dielectric applications. <i>Journal of Applied Physics</i> , 2015 , 117, 054101	2.5	39
514	Defect characterization for epitaxial HgCdTe alloys by electron microscopy. <i>Journal of Crystal Growth</i> , 2004 , 265, 224-234	1.6	39
513	Influence of interface alloying on the magnetic properties of Co/Pd multilayers. <i>Applied Physics Letters</i> , 2003 , 83, 5259-5261	3.4	39
512	Interaction of small and extended defects in nonstoichiometric oxides. <i>Nature</i> , 1984 , 309, 319-321	50.4	39
511	A Chemical Route to Monolithic Integration of Crystalline Oxides on Semiconductors. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400081	4.6	38
510	Epitaxial strontium titanate films grown by atomic layer deposition on SrTiO ₃ -buffered Si(001) substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 01A136	2.9	38
509	Spin-dependent tunneling in discontinuous CoBiO ₂ magnetic tunnel junctions. <i>Applied Physics Letters</i> , 1998 , 73, 535-537	3.4	38
508	Quenched magnetic moment in Mn-doped amorphous Si films. <i>Physical Review B</i> , 2008 , 77,	3.3	37
507	Decorating carbon nanotubes with nanostructured nickel particles via chemical methods. <i>Chemical Physics Letters</i> , 2006 , 431, 104-109	2.5	37
506	Hollow metallic microspheres produced by spark erosion. <i>Applied Physics Letters</i> , 2004 , 85, 940-942	3.4	37
505	Observations of silicon carbide by high resolution transmission electron microscopy. <i>Journal of Microscopy</i> , 1978 , 114, 1-18	1.9	37
504	SnGe superstructure materials for Si-based infrared optoelectronics. <i>Applied Physics Letters</i> , 2003 , 83, 3489-3491	3.4	36
503	Growth and characterization of CdTe/Si heterostructures []Effect of substrate orientation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 77, 93-100	3.1	36
502	The oxidation of small rhodium metal particles. <i>Ultramicroscopy</i> , 1989 , 31, 132-137	3.1	36

- 501 A systematic analysis of HREM imaging of sphalerite semiconductors. *Ultramicroscopy*, **1989**, 27, 131-150, 36
- 500 Prevention of Adrenal Crisis: Cortisol Responses to Major Stress Compared to Stress Dose Hydrocortisone Delivery. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105, 5.6 35
- 499 Structure and orientation of epitaxial titanium silicide nanowires determined by electron microdiffraction. *Journal of Applied Physics*, **2003**, 93, 5670-5674 2.5 35
- 498 The role of Cr substitution on the ferromagnetic properties of Ga_{1-x}Cr_xN. *Applied Physics Letters*, **2005**, 86, 012504 3.4 35
- 497 Development of a low-temperature GaN chemical vapor deposition process based on a single molecular source H₂Ga₃N₃. *Applied Physics Letters*, **1999**, 74, 883-885 3.4 35
- 496 Real-Time Atomic-Resolution Imaging of Polymorphic Changes in Ruthenium Clusters. *Angewandte Chemie International Edition in English*, **1988**, 27, 555-558 35
- 495 Metallisation of oxide surfaces observed by in situ high-resolution electron microscopy. *Ultramicroscopy*, **1985**, 17, 387-391 3.1 35
- 494 Direct lattice imaging of small metal particles. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1981**, 44, 735-740 35
- 493 Evaluation of antimony segregation in InAs/InAs_{1-x}Sb_x type-II superlattices grown by molecular beam epitaxy. *Journal of Applied Physics*, **2016**, 119, 095702 2.5 35
- 492 Quasi-two-dimensional electron gas at the epitaxial alumina/SrTiO₃ interface: Control of oxygen vacancies. *Journal of Applied Physics*, **2015**, 117, 095303 2.5 34
- 491 Modelling the fluid mechanics of cilia and flagella in reproduction and development. *European Physical Journal E*, **2012**, 35, 111 1.5 34
- 490 Reliability studies of AlGaIn/GaN high electron mobility transistors. *Semiconductor Science and Technology*, **2013**, 28, 074019 1.8 34
- 489 Intersubband absorption in Al_{0.7}Ga_{0.3}N/AlGaIn coupled quantum wells. *Applied Physics Letters*, **2007**, 91, 141104 3.4 34
- 488 Complex and incommensurate ordering in Al_{0.72}Ga_{0.28}N thin films grown by plasma-assisted molecular beam epitaxy. *Applied Physics Letters*, **2006**, 88, 181915 3.4 34
- 487 Molecular beam epitaxy of InAlIn/GaN heterostructures for high electron mobility transistors. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **2005**, 23, 1204 34
- 486 Influence of 6H-SiC(0001) substrate surface morphology on the growth of AlN epitaxial layers. *Applied Physics Letters*, **1999**, 74, 985-987 3.4 34
- 485 A theoretical analysis of HREM imaging for <110> tetrahedral semiconductors. *Ultramicroscopy*, **1989**, 27, 19-34 3.1 34
- 484 Atom hopping on small gold particles imaged by high-resolution electron microscopy. *Die Naturwissenschaften*, **1985**, 72, 539-541 2 34

483	Electric-Field-Driven Degradation in off-State Step-Stressed AlGaIn/GaN High-Electron Mobility Transistors. <i>IEEE Transactions on Device and Materials Reliability</i> , 2011 , 11, 187-193	1.6	33
482	Microstructural evolution of Ge/Si(1 0 0) nanoscale islands. <i>Journal of Crystal Growth</i> , 2003 , 259, 232-244.	1.6	33
481	Semiconductor dopant profiling by off-axis electron holography. <i>Ultramicroscopy</i> , 2003 , 94, 149-61	3.1	33
480	Low-threshold continuous-wave operation of quantum-cascade lasers grown by metalorganic vapor phase epitaxy. <i>Applied Physics Letters</i> , 2004 , 85, 5842-5844	3.4	32
479	Homoepitaxial growth of (0 0 0 1)- and (0001)-oriented ZnO thin films via metalorganic vapor-phase epitaxy and their characterization. <i>Journal of Crystal Growth</i> , 2004 , 265, 390-398	1.6	32
478	Magnetically soft, high-moment, high-resistivity thin films using discontinuous metal/native oxide multilayers. <i>Applied Physics Letters</i> , 2001 , 79, 224-226	3.4	32
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