

# Reine L Wallenberg

## List of Publications by Year in descending order

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197  
papers

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docs citations

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times ranked

11811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enabling <i>In Situ</i> Studies of Metal-Organic Chemical Vapor Deposition in a Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , 2022, 28, 1484-1492.	0.4	11
2	Realization of axially defined GaInP/InP/InAsP triple-junction photovoltaic nanowires for high-performance solar cells. <i>Materials Today Energy</i> , 2022, 27, 101050.	4.7	11
3	Compositional analysis of oxide-embedded III-V nanostructures. <i>Nanotechnology</i> , 2022, 33, 375705.	2.6	0
4	Selective oxidation of benzyl alcohols with molecular oxygen as the oxidant using Ag-Cu catalysts supported on polyoxometalates. <i>Results in Chemistry</i> , 2021, 3, 100150.	2.0	10
5	Compositional Correlation between the Nanoparticle and the Growing Au-Assisted In <sub>x</sub> Ga <sub>1-x</sub> As Nanowire. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7590-7595.	4.6	12
6	Aerotaxy: gas-phase epitaxy of quasi 1D nanostructures. <i>Nanotechnology</i> , 2021, 32, 025605.	2.6	11
7	Adsorption of cadmium by a high-capacity adsorbent composed of silicate-titanate nanotubes embedded in hydrogel chitosan beads. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3043-3054.	2.2	16
8	Compressively-strained GaSb nanowires with core-shell heterostructures. <i>Nano Research</i> , 2020, 13, 2517-2524.	10.4	13
9	Dislocation-Free and Atomically Flat GaN Hexagonal Microprisms for Device Applications. <i>Small</i> , 2020, 16, 1907364.	10.0	10
10	Realization of Ultrahigh Quality InGaN Platelets to be Used as Relaxed Templates for Red Micro-LEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 17845-17851.	8.0	24
11	High-Performance Vertical III-V Nanowire MOSFETs on Si With $g_m > 3 \text{ mS}/\sqrt{4\text{m}}$ . <i>IEEE Electron Device Letters</i> , 2020, 41, 1161-1164.	3.9	22
12	In situ metal-organic chemical vapour deposition growth of III-V semiconductor nanowires in the Lund environmental transmission electron microscope. <i>Semiconductor Science and Technology</i> , 2020, 35, 034004.	2.0	20
13	Electron channelling: challenges and opportunities for compositional analysis of nanowires by TEM. <i>Nanotechnology</i> , 2020, 31, 364005.	2.6	6
14	Directed C-H Halogenation Reactions Catalysed by Pd <sup>II</sup> Supported on Polymers under Batch and Continuous Flow Conditions. <i>Chemistry - A European Journal</i> , 2019, 25, 13591-13597.	3.3	14
15	In situ analysis of catalyst composition during gold catalyzed GaAs nanowire growth. <i>Nature Communications</i> , 2019, 10, 4577.	12.8	49
16	Kinetics of Au-Ga Droplet Mediated Decomposition of GaAs Nanowires. <i>Nano Letters</i> , 2019, 19, 3498-3504.	9.1	18
17	In situ XAS study of the local structure and oxidation state evolution of palladium in a reduced graphene oxide supported Pd(ii) carbene complex during an undirected C-H acetoxylation reaction. <i>Catalysis Science and Technology</i> , 2019, 9, 2025-2031.	4.1	20
18	InGaN Platelets: Synthesis and Applications toward Green and Red Light-Emitting Diodes. <i>Nano Letters</i> , 2019, 19, 2832-2839.	9.1	34

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19	<i>n</i> -type doping and morphology of GaAs nanowires in Aerotaxy. Nanotechnology, 2018, 29, 285601.	2.6	15
20	High In-content InGaN nano-pyramids: Tuning crystal homogeneity by optimized nucleation of GaN seeds. Journal of Applied Physics, 2018, 123, .	2.5	25
21	Self-Seeded Axio-Radial InAs-InAs <sub>1-x</sub> P <sub>x</sub> Nanowire Heterostructures beyond "Common" VLS Growth. Nano Letters, 2018, 18, 144-151.	9.1	15
22	Self-assembled InN quantum dots on side facets of GaN nanowires. Journal of Applied Physics, 2018, 123, .	2.5	14
23	A Pd <sup>II</sup> Carbene Complex with Anthracene Side-Arms for "Stacking on Reduced Graphene Oxide (rGO): Activity towards Undirected C-H Oxygenation of Arenes. European Journal of Inorganic Chemistry, 2018, 2018, 4742-4746.	2.0	17
24	Electron Tomography Reveals the Droplet Covered Surface Structure of Nanowires Grown by Aerotaxy. Small, 2018, 14, e1801285.	10.0	5
25	Kinetic Engineering of Wurtzite and Zinc-Blende AlSb Shells on InAs Nanowires. Nano Letters, 2018, 18, 5775-5781.	9.1	6
26	Polymer-Supported Palladium(II) Carbene Complexes: Catalytic Activity, Recyclability, and Selectivity in C-H Acetoxylation of Arenes. Chemistry - A European Journal, 2017, 23, 8457-8465.	3.3	25
27	Effect of hydrophobically modified graphene oxide on the properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate). Polymer, 2017, 108, 66-77.	3.8	16
28	Individual Defects in InAs/InGaAsSb/GaSb Nanowire Tunnel Field-Effect Transistors Operating below 60 mV/decade. Nano Letters, 2017, 17, 4373-4380.	9.1	85
29	Real-time in-situ Investigation of III-V Nanowire Growth using Custom-designed Hybrid Chemical Vapor Deposition-TEM. Microscopy and Microanalysis, 2017, 23, 1716-1717.	0.4	1
30	Vertical InAs/InGaAs Heterostructure Metal-Oxide-Semiconductor Field-Effect Transistors on Si. Nano Letters, 2017, 17, 6006-6010.	9.1	37
31	GaAsP Nanowires Grown by Aerotaxy. Nano Letters, 2016, 16, 5701-5707.	9.1	36
32	Measurements of structures and concentrations of carbon particle species in premixed flames by the use of in-situ wide angle X-ray scattering. Carbon, 2016, 96, 782-798.	10.3	8
33	Electron microscopy imaging of proteins on gallium phosphide semiconductor nanowires. Nanoscale, 2016, 8, 3936-3943.	5.6	9
34	Phase Transformation in Radially Merged Wurtzite GaAs Nanowires. Crystal Growth and Design, 2015, 15, 4795-4803.	3.0	27
35	Growth parameter design for homogeneous material composition in ternary Ga <sub>x</sub> In <sub>1-x</sub> P nanowires. Nanotechnology, 2015, 26, 435601.	2.6	19
36	Zn-doping of GaAs nanowires grown by Aerotaxy. Journal of Crystal Growth, 2015, 414, 181-186.	1.5	28

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37	Sonogashira coupling reaction over supported gold nanoparticles: Influence of support and catalyst synthesis route. <i>Applied Catalysis A: General</i> , 2015, 503, 69-76.	4.3	18
38	Iron sensitizer converts light to electrons with 92% yield. <i>Nature Chemistry</i> , 2015, 7, 883-889.	13.6	193
39	FIB Plan and Side View Cross-Sectional TEM Sample Preparation of Nanostructures. <i>Microscopy and Microanalysis</i> , 2014, 20, 133-140.	0.4	23
40	<i>In situ</i> etching for control over axial and radial III-V nanowire growth rates using HBr. <i>Nanotechnology</i> , 2014, 25, 505601.	2.6	10
41	Chemical solution deposition of thin films for protonic ceramic fuel cells. <i>Solid State Ionics</i> , 2014, 262, 852-855.	2.7	7
42	Epoxidation of olefins with molecular oxygen as the oxidant using gold catalysts supported on polyoxometalates. <i>Green Chemistry</i> , 2014, 16, 1586.	9.0	42
43	Straight and kinked InAs nanowire growth observed in situ by transmission electron microscopy. <i>Nano Research</i> , 2014, 7, 1188-1194.	10.4	19
44	Growth and characterization of wurtzite GaP nanowires with control over axial and radial growth by use of HCl in-situ etching. <i>Journal of Crystal Growth</i> , 2014, 386, 47-51.	1.5	32
45	InN quantum dots on GaN nanowires grown by MOVPE. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 421-424.	0.8	4
46	Semiconductor-Oxide Heterostructured Nanowires Using Postgrowth Oxidation. <i>Nano Letters</i> , 2013, 13, 5961-5966.	9.1	8
47	Performance of ZrO <sub>2</sub> -supported Nb- and W-oxide in the gas-phase dehydration of glycerol to acrolein. <i>Journal of Catalysis</i> , 2013, 297, 93-109.	6.2	99
48	Synthesis by spark plasma sintering of a novel protonic/electronic conductor composite: BaCe <sub>0.2</sub> Zr <sub>0.7</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> /Sr <sub>0.95</sub> Ti <sub>0.9</sub> Nb <sub>0.1</sub> O <sub>3-δ</sub> (BCZY27/STN95). <i>Journal of Materials Science</i> , 2013, 48, 6177-6185.	3.7	25
49	Multiple exciton generation in nano-crystals revisited: Consistent calculation of the yield based on pump-probe spectroscopy. <i>Scientific Reports</i> , 2013, 3, 2287.	3.3	34
50	Single GaInP nanowire p-i-n junctions near the direct to indirect bandgap crossover point. <i>Applied Physics Letters</i> , 2012, 100, 251103.	3.3	13
51	Continuous gas-phase synthesis of nanowires with tunable properties. <i>Nature</i> , 2012, 492, 90-94.	27.8	156
52	Electron Trapping in InP Nanowire FETs with Stacking Faults. <i>Nano Letters</i> , 2012, 12, 151-155.	9.1	102
53	High-Resolution Fluorescence Diffuse Optical Tomography Developed with Nonlinear Upconverting Nanoparticles. <i>ACS Nano</i> , 2012, 6, 4788-4795.	14.6	127
54	LaCoO <sub>3</sub> : Promising cathode material for protonic ceramic fuel cells based on a BaCe <sub>0.2</sub> Zr <sub>0.7</sub> Y <sub>0.1</sub> O <sub>3-δ</sub> electrolyte. <i>Journal of Power Sources</i> , 2012, 218, 313-319.	7.8	65

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55	High-Frequency Performance of Self-Aligned Gate-Last Surface Channel $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$ MOSFET. IEEE Electron Device Letters, 2012, 33, 369-371.	3.9	58
56	Vertical $\text{V}$ -Shaped Nanomembranes Epitaxially Grown on a Patterned Si[001] Substrate and Their Enhanced Light Scattering. ACS Nano, 2012, 6, 10982-10991.	14.6	41
57	Formation of Bone-like Nanocrystalline Apatite Using Self-Assembled Liquid Crystals. Chemistry of Materials, 2012, 24, 892-902.	6.7	26
58	Electron Microscopy Study of Single Crystal $\text{BaZr}_{0.9}\text{Y}_{0.1}\text{O}_{3-x}$ Films Prepared by Chemical Solution Deposition. ECS Transactions, 2012, 45, 121-127.	0.5	6
59	Electron Transfer in Quantum-Dot-Sensitized ZnO Nanowires: Ultrafast Time-Resolved Absorption and Terahertz Study. Journal of the American Chemical Society, 2012, 134, 12110-12117.	13.7	113
60	Chemical mapping of DNA and counter-ion content inside phage by energy-filtered TEM. Journal of Biological Physics, 2012, 38, 229-240.	1.5	6
61	Probing the Wurtzite Conduction Band Structure Using State Filling in Highly Doped InP Nanowires. Nano Letters, 2011, 11, 2286-2290.	9.1	66
62	Electron Image Series Reconstruction of Twin Interfaces in InP Superlattice Nanowires. Microscopy and Microanalysis, 2011, 17, 752-758.	0.4	4
63	Growth of Straight InAs-on-GaAs Nanowire Heterostructures. Nano Letters, 2011, 11, 3899-3905.	9.1	44
64	Valence band splitting in wurtzite InP nanowires observed by photoluminescence and photoluminescence excitation spectroscopy. Nano Research, 2011, 4, 159-163.	10.4	41
65	Epitaxial InP nanowire growth from Cu seed particles. Journal of Crystal Growth, 2011, 315, 134-137.	1.5	17
66	Degenerate p-doping of InP nanowires for large area tunnel diodes. Applied Physics Letters, 2011, 99, .	3.3	28
67	In situ etching for total control over axial and radial nanowire growth. Nano Research, 2010, 3, 264-270.	10.4	135
68	Stability and performance of cation vacant $\text{Fe}_{3-x}\text{O}_4$ spinel phase catalysts in methanol oxidation. Journal of Catalysis, 2010, 276, 24-37.	6.2	26
69	Growth and segregation of $\text{GaAs}_{1-x}\text{In}_x\text{P}$ core-shell nanowires. Journal of Crystal Growth, 2010, 312, 1755-1760.	1.5	39
70	The comparison of particle oxidation and surface structure of diesel soot particles between fossil fuel and novel renewable diesel fuel. Fuel, 2010, 89, 4008-4013.	6.4	35
71	Sheet-like carbon particles with graphene structures obtained from a Bunsen flame. Carbon, 2010, 48, 4203-4206.	10.3	12
72	Control of In nanowire crystal structure by growth parameter tuning. Semiconductor Science and Technology, 2010, 25, 024009.	2.0	219

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73	Changes in Contact Angle of Seed Particle Correlated with Increased Zincblende Formation in Doped InP Nanowires. Nano Letters, 2010, 10, 4807-4812.	9.1	83
74	Electrical characterization of thin InAs films grown on patterned W <sup>100</sup> /GaAs substrates. Journal of Vacuum Science & Technology B, 2009, 27, 2222.	1.3	3
75	Formation of carbonated apatite particles from a supersaturated inorganic blood serum model. Journal of Materials Science: Materials in Medicine, 2009, 20, 1677-1687.	3.6	10
76	Generation of size-selected gold nanoparticles by spark discharge " for growth of epitaxial nanowires. Gold Bulletin, 2009, 42, 20-26.	2.7	51
77	Electrochemical characterization and redox behavior of Nb-doped SrTiO <sub>3</sub> . Solid State Ionics, 2009, 180, 63-70.	2.7	81
78	Niobium-Doped Strontium Titanates as SOFC Anodes. , 2009, , 203-214.		0
79	Defect and electrical transport properties of Nb-doped SrTiO <sub>3</sub> . Solid State Ionics, 2008, 179, 2047-2058.	2.7	153
80	High-Quality InAs/InSb Nanowire Heterostructures Grown by Metal-Organic Vapor-Phase Epitaxy. Small, 2008, 4, 878-882.	10.0	160
81	Let's twist again. Nature Nanotechnology, 2008, 3, 457-458.	31.5	3
82	Electrical Properties of Self-Assembled Branched InAs Nanowire Junctions. Nano Letters, 2008, 8, 1100-1104.	9.1	56
83	Control of GaP and GaAs Nanowire Morphology through Particle and Substrate Chemical Modification. Nano Letters, 2008, 8, 4087-4091.	9.1	35
84	Strontium Titanate-based Composite Anodes for Solid Oxide Fuel Cells. ECS Transactions, 2008, 13, 181-194.	0.5	26
85	Directed Growth of Branched Nanowire Structures. MRS Bulletin, 2007, 32, 127-133.	3.5	40
86	Understanding the 3D structure of $\{GaAs\langle 111\rangle B\}$ nanowires. Nanotechnology, 2007, 18, 485717.	2.6	41
87	Height-controlled nanowire branches on nanotrees using a polymer mask. Nanotechnology, 2007, 18, 035601.	2.6	14
88	Strain mapping in free-standing heterostructured wurtzite InAs/InP nanowires. Nanotechnology, 2007, 18, 015504.	2.6	179
89	The Morphology of Axial and Branched Nanowire Heterostructures. Nano Letters, 2007, 7, 1817-1822.	9.1	175
90	Catalytic and structural effects of W-substitution in M <sub>2</sub> Mo-V-Te-oxide for propene ammoxidation. Catalysis Today, 2007, 128, 153-160.	4.4	8

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91	Synthesis of Nb-doped SrTiO <sub>3</sub> by a modified glycine-nitrate process. Journal of the European Ceramic Society, 2007, 27, 3609-3612.	5.7	33
92	Position-Controlled Interconnected InAs Nanowire Networks. Nano Letters, 2006, 6, 2842-2847.	9.1	85
93	Structure-Activity Relationship in HC-SCR of NO <sub>x</sub> by TEM, O <sub>2</sub> -Chemisorption, and EDXS Study of Ag/Al <sub>2</sub> O <sub>3</sub> . Journal of Physical Chemistry B, 2006, 110, 420-427.	2.6	33
94	InAs <sub>1-x</sub> P <sub>x</sub> Nanowires for Device Engineering. Nano Letters, 2006, 6, 403-407.	9.1	82
95	Effects of Sr/Ti-ratio in SrTiO <sub>3</sub> -based SOFC anodes investigated by the use of cone-shaped electrodes. Electrochimica Acta, 2006, 52, 1651-1661.	5.2	47
96	Analysis of the State and Size of Silver on Alumina in Effective Removal of NO <sub>x</sub> from Oxygen Rich Exhaust Gas. Journal of Nanoscience and Nanotechnology, 2006, 6, 1076-1083.	0.9	4
97	CRYSTAL STRUCTURE OF BRANCHED EPITAXIAL III-V NANOTREES. Nano, 2006, 01, 139-151.	1.0	12
98	XEDS-mapping for explaining release patterns from single pellets. International Journal of Pharmaceutics, 2005, 290, 109-120.	5.2	14
99	Selective catalytic oxidation of ammonia to nitrogen at low temperature on Pt/CuO/Al <sub>2</sub> O <sub>3</sub> . Journal of Catalysis, 2005, 230, 1-13.	6.2	50
100	A New Understanding of Au-Assisted Growth of III-V Semiconductor Nanowires. Advanced Functional Materials, 2005, 15, 1603-1610.	14.9	139
101	Epitaxially grown GaP/GaAs <sub>1-x</sub> P <sub>x</sub> /GaP double heterostructure nanowires for optical applications. Nanotechnology, 2005, 16, 936-939.	2.6	68
102	Solid-phase Diffusion Mechanism for GaAs Nanowire Growth. Microscopy and Microanalysis, 2005, 11, .	0.4	0
103	Defect-free InP nanowires grown in [001] direction on InP (001). Applied Physics Letters, 2004, 85, 2077-2079.	3.3	173
104	A Novel Hormone-sensitive Lipase Isoform Expressed in Pancreatic Î²-Cells. Journal of Biological Chemistry, 2004, 279, 3828-3836.	3.4	36
105	Probing of Individual Semiconductor Nanowhiskers by TEM-STM. Microscopy and Microanalysis, 2004, 10, 41-46.	0.4	29
106	Synthesis of branched 'nanotrees' by controlled seeding of multiple branching events. Nature Materials, 2004, 3, 380-384.	27.5	592
107	Solid-phase diffusion mechanism for GaAs nanowire growth. Nature Materials, 2004, 3, 677-681.	27.5	633
108	Electron transport in InAs nanowires and heterostructure nanowire devices. Solid State Communications, 2004, 131, 573-579.	1.9	134

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109	Growth of one-dimensional nanostructures in MOVPE. Journal of Crystal Growth, 2004, 272, 211-220.	1.5	278
110	Semiconductor nanowires for novel one-dimensional devices. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 560-567.	2.7	63
111	Semiconductor nanowires for OD and 1D physics and applications. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 313-318.	2.7	172
112	Crystallography and porosity effects of CO conversion on mesoporous CeO <sub>2</sub> . Microporous and Mesoporous Materials, 2004, 69, 187-195.	4.4	42
113	Photoinduced Ultrafast Dynamics of Ru(dcbpy) <sub>2</sub> (NCS) <sub>2</sub> -Sensitized Nanocrystalline TiO <sub>2</sub> Films: The Influence of Sample Preparation and Experimental Conditions. Journal of Physical Chemistry B, 2004, 108, 6365-6373.	2.6	93
114	Epitaxial III-V Nanowires on Silicon. Nano Letters, 2004, 4, 1987-1990.	9.1	538
115	Few-Electron Quantum Dots in Nanowires. Nano Letters, 2004, 4, 1621-1625.	9.1	274
116	Amino-terminal anchored surface display in insect cells and budded baculovirus using the amino-terminal end of neuraminidase. Journal of Biotechnology, 2004, 114, 21-30.	3.8	28
117	Simulation of the release from a multiparticulate system validated by single pellet and dose release experiments. Journal of Controlled Release, 2004, 97, 453-465.	9.9	26
118	Effect of impurities on structural and electrochemical properties of the Ni-YSZ interface. Solid State Ionics, 2003, 160, 27-37.	2.7	74
119	Particle Size and Crystallinity Dependent Electron Injection in Fluorescein 27-Sensitized TiO <sub>2</sub> Films. Journal of Physical Chemistry B, 2003, 107, 1370-1375.	2.6	101
120	Single-electron transistors in heterostructure nanowires. Applied Physics Letters, 2003, 83, 2052-2054.	3.3	403
121	Nanowire resonant tunneling diodes. Applied Physics Letters, 2002, 81, 4458-4460.	3.3	429
122	Morphology and Structure of CuOx/CeO <sub>2</sub> Nanocomposite Catalysts Produced by Inert Gas Condensation: An HREM, EFTEM, XPS, and High-Energy Diffraction Study. Chemistry of Materials, 2002, 14, 3686-3699.	6.7	80
123	One-dimensional heterostructures in semiconductor nanowhiskers. Applied Physics Letters, 2002, 80, 1058-1060.	3.3	581
124	One-dimensional Steeplechase for Electrons Realized. Nano Letters, 2002, 2, 87-89.	9.1	656
125	Growth and characterization of GaAs and InAs nano-whiskers and InAs/GaAs heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 1126-1130.	2.7	123
126	Mesoporous thin films of high-surface-area crystalline cerium dioxide. Microporous and Mesoporous Materials, 2002, 54, 97-103.	4.4	84



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127	Carbon Monoxide Oxidation on Nanostructured CuO/CeO Composite Particles Characterized by HREM, XPS, XAS, and High-Energy Diffraction. <i>Journal of Catalysis</i> , 2002, 211, 119-133.	6.2	151
128	Size dependence of Eu <sup>2+</sup> fluorescence in ZnS:Eu <sup>2+</sup> nanoparticles. <i>Journal of Applied Physics</i> , 2001, 89, 2671-2675.	2.5	57
129	Crystal field, phonon coupling and emission shift of Mn <sup>2+</sup> in ZnS:Mn nanoparticles. <i>Journal of Applied Physics</i> , 2001, 89, 1120-1129.	2.5	185
130	Size-, shape-, and position-controlled GaAs nano-whiskers. <i>Applied Physics Letters</i> , 2001, 79, 3335-3337.	3.3	249
131	GP-zones in Al-Zn-Mg alloys and their role in artificial aging. <i>Acta Materialia</i> , 2001, 49, 3443-3451.	7.9	609
132	Structural characterization of the metal/glass interface in bioactive glass coatings on Ti-6Al-4V. <i>Journal of Materials Science: Materials in Medicine</i> , 2001, 12, 413-417.	3.6	19
133	Characterization and optical properties of CeO <sub>2</sub> based nanocluster composites. <i>Scripta Materialia</i> , 2001, 44, 1929-1932.	5.2	5
134	Simulation of electron diffraction patterns from III-V alloys with CuPt ordering: Effect of clusters and antiphase boundaries. <i>Journal of Applied Physics</i> , 2001, 89, 2653-2664.	2.5	6
135	Modulated structure of Ag <sub>2</sub> SnO <sub>3</sub> studied by high-resolution electron microscopy. <i>Acta Crystallographica Section B: Structural Science</i> , 2000, 56, 363-368.	1.8	14
136	Formation and photoluminescence of Ge and Si nanoparticles encapsulated in oxide layers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000, 74, 242-247.	3.5	36
137	Pressure dependence of Mn <sup>2+</sup> fluorescence in ZnS:Mn <sup>2+</sup> nanoparticles. <i>Journal of Luminescence</i> , 2000, 91, 139-145.	3.1	54
138	Effect of Titanium Substitution in $\gamma$ -SbVO <sub>4</sub> Used for Propane Ammoxidation. <i>Journal of Catalysis</i> , 2000, 194, 153-166.	6.2	29
139	Synthesis and characterization of carbon filaments grown from Pd <sub>3</sub> P colloids. <i>Journal of Materials Research</i> , 2000, 15, 1857-1859.	2.6	3
140	Energy structure and fluorescence of Eu <sup>2+</sup> in ZnS:Eu nanoparticles. <i>Physical Review B</i> , 2000, 61, 11021-11024.	3.2	161
141	Evaluation of Intermittent Contact Mode AFM Probes by HREM and Using Atomically Sharp CeO <sub>2</sub> Ridges as Tip Characterizer. <i>Langmuir</i> , 2000, 16, 6267-6277.	3.5	34
142	HREM study and structure modeling of the $\epsilon$ phase, the hardening precipitates in commercial Al-Zn-Mg alloys. <i>Acta Materialia</i> , 1999, 47, 2651-2659.	7.9	290
143	Carbon nitride nanotubulite - densely-packed and well-aligned tubular nanostructures. <i>Chemical Physics Letters</i> , 1999, 300, 695-700.	2.6	137
144	Carbon Monoxide Oxidation on Copper Oxide Thin Films Supported on Corrugated Cerium Dioxide {111} and {001} Surfaces. <i>Journal of Catalysis</i> , 1999, 181, 6-15.	6.2	41

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145	Sharp microfaceting of (001)-oriented cerium dioxide thin films and the effect of annealing on surface morphology. Surface Science, 1999, 429, 22-33.	1.9	68
146	Reduction of surface sulphur upon microbial devulcanization of rubber materials. Biotechnology Letters, 1998, 20, 637-642.	2.2	35
147	Digital HREM Imaging of Yttrium Atoms in YB56with YB66Structure. Journal of Solid State Chemistry, 1998, 135, 182-193.	2.9	34
148	Structural and electrical properties of superconducting Nb/Si multilayers. Vacuum, 1998, 50, 31-33.	3.5	1
149	Strain state in semiconductor quantum dots on surfaces: a comparison of electron microscopy and finite element calculations. Surface Science, 1998, 406, 48-56.	1.9	14
150	A new silicon phosphide, Si12P5: Formation conditions, structure, and properties. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 394-401.	2.1	17
151	Strain relaxation and thermal stability of the 3C-SiC(001)/Si(001) interface: A molecular dynamics study. Thin Solid Films, 1997, 294, 47-49.	1.8	5
152	Combustion of CO and Toluene; Characterisation of Copper Oxide Supported on Titania and Activity Comparisons with Supported Cobalt, Iron, and Manganese Oxide. Journal of Catalysis, 1996, 163, 279-293.	6.2	171
153	In-situ growth of quantum dot structures by the Stranski-Krastanow growth mode. Progress in Crystal Growth and Characterization of Materials, 1996, 33, 423-471.	4.0	204
154	Compositional information from amorphous Si-Ge multilayers using high-resolution electron microscopy imaging and direct digital recording. Ultramicroscopy, 1996, 66, 221-235.	1.9	5
155	Growth and electronic properties of epitaxial TiN thin films on 3C-SiC(001) and 6H-SiC(0001) substrates by reactive magnetron sputtering. Journal of Materials Research, 1996, 11, 2458-2462.	2.6	17
156	Microdomains, Solid Solutions and the "Defect Fluorite" to C-Type Sesquioxide Transition in CeO2-RO1.5 and ZrO2-RO1.5 Systems. Journal of Solid State Chemistry, 1995, 120, 290-298.	2.9	29
157	Transmission electron microscopy of InP Stranski-Krastanow islands buried in GaInP. Physica Status Solidi A, 1995, 150, 479-487.	1.7	3
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