Yuval Golan

List of Publications by Year
in descending order

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162	5,753	94433 37	88630 70
papers	citations	h-index	g-index

168	168	168	7016
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphology control of perovskite films: a two-step, all solution process for conversion of lead selenide into methylammonium lead iodide. Materials Chemistry Frontiers, 2021, 5, 1410-1417.	5.9	9
2	A new binary phase in the tin monoselenide system: chemical epitaxy of orthorhombic Î³-SnSe thin films. Materials Chemistry Frontiers, 2021, 5, 5004-5011.	5.9	5
3	On the â€œChemical Inertnessâ€•of Teflon in Chemical Synthesis. Industrial & Engineering Chemistry Research, 2021, 60, 11995-12000.	3.7	1
4	The effect of complexing agents in chemical solution deposition of metal chalcogenide thin films. Materials Chemistry Frontiers, 2021, 5, 2035-2050.	5.9	16
5	The effect of deposition mechanism on the properties of epitaxial PbS films grown from acidic bath. Materials Chemistry Frontiers, 2021, 5, 2860-2866.	5.9	0
6	â€˜Beneficial impuritiesâ€™ in colloidal synthesis of surfactant coated inorganic nanoparticles. Nanotechnology, 2021, 32, 102001.	2.6	12
7	Combinatorial Liquid Flow Deposition of PbS Semiconductor Thin Films. Industrial & Engineering Chemistry Research, 2021, 60, 15593-15599.	3.7	2
8	Sample preparation induced phase transitions in solution deposited copper selenide thin films. RSC Advances, 2021, 12, 277-284.	3.6	4
9	A Two-Step, All Solution Process for Conversion of Lead Sulfide to Methylammonium Lead Iodide Perovskite Thin Films. Thin Solid Films, 2020, 714, 138367.	1.8	4
10	Morphology control in chemical solution deposited lead selenide thin films on fluorine-doped tin oxide. Thin Solid Films, 2020, 710, 138256.	1.8	1
11	High photoconductive gain in a GaAs/PbS heterojunction based SWIR detector. Applied Physics Letters, 2020, 117, .	3.3	10
12	Chemical epitaxy of Ï€-phase cubic tin monosulphide. CrystEngComm, 2020, 22, 6170-6181.	2.6	17
13	NMR and EPR study of cubic Ï€-phase SnS semiconductor nanoparticles. Materials Chemistry and Physics, 2020, 250, 123206.	4.0	1
14	The role of CdS doping in improving SWIR photovoltaic and photoconductive responses in solution grown CdS/PbS heterojunctions. Nanotechnology, 2020, 31, 255502.	2.6	4
15	Phonon band gaps in the IV-VI monochalcogenides. Physical Review B, 2019, 100, .	3.2	24
16	Electric Response of CuS Nanoparticle Lubricant Additives: The Effect of Crystalline and Amorphous Octadecylamine Surfactant Capping Layers. Langmuir, 2019, 35, 15825-15833.	3.5	16
17	Beneficial Impurities and Phase Control in Colloidal Synthesis of Tin Monoselenide. Langmuir, 2019, 35, 15855-15863.	3.5	9
18	Chemical epitaxy of a new orthorhombic phase of Cu2â^'xS on GaAs. CrystEngComm, 2019, 21, 6063-6071.	2.6	5

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19	Layer-by-layer growth in solution deposition of monocrystalline lead sulfide thin films on GaAs(111). Materials Chemistry Frontiers, 2019, 3, 1538-1544.	5.9	13
20	Oneâ€Pot Hydrothermal Synthesis of Elements (B, N, P)â€Doped Fluorescent Carbon Dots for Cell Labelling, Differentiation and Outgrowth of Neuronal Cells. ChemistrySelect, 2019, 4, 4222-4232.	1.5	29
21	Citrate-controlled chemical solution deposition of PbSe thin films. CrystEngComm, 2019, 21, 1818-1825.	2.6	12
22	Stability of cubic tin sulphide nanocrystals: role of ammonium chloride surfactant headgroups. Nanoscale, 2019, 11, 17104-17110.	5.6	12
23	Electrical and optical characterization of extended SWIR detectors based on thin films of nano-columnar PbSe. Infrared Physics and Technology, 2019, 96, 89-97.	2.9	6
24	Infrared photoconductivity and photovoltaic response from nanoscale domains of PbS alloyed with thorium and oxygen. Nanotechnology, 2018, 29, 115202.	2.6	8
25	Postgrowth Control of the Interfacial Oxide Thickness in Semiconductorâ€“Insulatorâ€“Semiconductor Heterojunctions. Advanced Materials Interfaces, 2018, 5, 1800231.	3.7	5
26	Oriented Attachment: A Path to Columnar Morphology in Chemical Bath Deposited PbSe Thin Films. Crystal Growth and Design, 2018, 18, 1227-1235.	3.0	17
27	CuS Nanoparticle Additives for Enhanced Ester Lubricant Performance. ACS Applied Nano Materials, 2018, 1, 7060-7065.	5.0	21
28	Monochalcogenide Semiconductors: Ï€â€Phase Tin and Germanium Monochalcogenide Semiconductors: An Emerging Materials System (Adv. Mater. 41/2018). Advanced Materials, 2018, 30, 1870310.	21.0	0
29	Chemical, structural and photovoltaic properties of graded CdS_xSe_{1â^'x} thin films grown by chemical bath deposition on GaAs(100). CrystEngComm, 2018, 20, 5735-5743.	2.6	7
30	Ï€â€Phase Tin and Germanium Monochalcogenide Semiconductors: An Emerging Materials System. Advanced Materials, 2018, 30, e1706285.	21.0	26
31	Liquid flow deposition of PbS films on GaAs(100). CrystEngComm, 2018, 20, 3765-3771.	2.6	5
32	Surface energies and nanocrystal stability in the orthorhombic and Ï€-phases of tin and germanium monochalcogenides. CrystEngComm, 2018, 20, 4237-4248.	2.6	13
33	Chemical epitaxy of CdS on GaAs. Journal of Materials Chemistry C, 2017, 5, 1660-1667.	5.5	10
34	Mapping Charge Distribution in Single PbS Core â€“ CdS Arm Nano-Multipod Heterostructures by Off-Axis Electron Holography. Nano Letters, 2017, 17, 2778-2787.	9.1	10
35	A new cubic prototype structure in the IVâ€“VI monochalcogenide system: a DFT study. CrystEngComm, 2017, 19, 1751-1761.	2.6	39
36	Role of sonication pre-treatment and cation valence in the sol-gel transition of nano-cellulose suspensions. Scientific Reports, 2017, 7, 11129.	3.3	28

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37	Chemical epitaxy of CdSe on GaAs. CrystEngComm, 2017, 19, 5381-5389.	2.6	13
38	A New Solid Solution Approach for the Study of Self-Irradiating Damage in non-Radioactive Materials. Scientific Reports, 2017, 7, 2780.	3.3	5
39	Architecture, development and implementation of a SWIR to visible integrated up-conversion imaging device. Proceedings of SPIE, 2016, , .	0.8	3
40	Dynamics of Hydration of Nanocellulose Films. Advanced Materials Interfaces, 2016, 3, 1500415.	3.7	28
41	Crystal structure of a large cubic tin monosulfide polymorph: an unraveled puzzle. CrystEngComm, 2016, 18, 5188-5194.	2.6	76
42	Enhanced SWIR absorption in chemical bath deposited PbS thin films alloyed with thorium and oxygen. RSC Advances, 2016, 6, 88077-88084.	3.6	16
43	The effect of short chain thiol ligand additives on chemical bath deposition of lead sulphide thin films: the unique behaviour of 1,2-ethanedithiol. CrystEngComm, 2016, 18, 9122-9129.	2.6	8
44	A new nanocrystalline binary phase: synthesis and properties of cubic tin monoselenide. CrystEngComm, 2016, 18, 1918-1923.	2.6	59
45	Chemical epitaxy and interfacial reactivity in solution deposited PbS on ZnTe. Journal of Materials Chemistry C, 2016, 4, 1996-2002.	5.5	6
46	Synthesis and properties of nanocrystalline Ï€-SnS â€“ a new cubic phase of tin sulphide. RSC Advances, 2016, 6, 5848-5855.	3.6	124
47	In situ monitoring the role of citrate in chemical bath deposition of PbS thin films. CrystEngComm, 2016, 18, 149-156.	2.6	25
48	New Nanocrystalline Materials: A Previously Unknown Simple Cubic Phase in the SnS Binary System. Nano Letters, 2015, 15, 2174-2179.	9.1	126
49	Surface plasmon resonance in surfactant coated copper sulfide nanoparticles: Role of the structure of the capping agent. Journal of Colloid and Interface Science, 2015, 457, 43-51.	9.4	18
50	Compositional tunability in solid solution PbS_xSe_{1â^'x} thin films chemically deposited on GaAs(100). CrystEngComm, 2015, 17, 3433-3439.	2.6	5
51	Chemically deposited PbSe thin films: factors deterring reproducibility in the early stages of growth. CrystEngComm, 2014, 16, 10553-10559.	2.6	35
52	Chemical deposition and characterization of thorium-alloyed lead sulfide thin films. Thin Solid Films, 2014, 556, 223-229.	1.8	13
53	Chemical bath deposited PbS thin films on ZnO nanowires for photovoltaic applications. Thin Solid Films, 2014, 550, 149-155.	1.8	24
54	Chemically deposited PbS thin film photo-conducting layers for optically addressed spatial light modulators. Journal of Materials Chemistry C, 2014, 2, 9132-9140.	5.5	28

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55	Time, illumination and solvent dependent stability of cadmium sulfide nanoparticle suspensions. Journal of Colloid and Interface Science, 2014, 430, 283-292.	9.4	4
56	Phase transformation of PbSe/CdSe nanocrystals from core-shell to Janus structure studied by photoemission spectroscopy. Physical Review B, 2013, 87, .	3.2	9
57	A comparative study of the structure and optical properties of copper sulfide thin films chemically deposited on various substrates. RSC Advances, 2013, 3, 23066.	3.6	34
58	A Bottom-Up Approach toward Fabrication of Ultrathin PbS Sheets. Nano Letters, 2013, 13, 409-415.	9.1	90
59	Twinning and Phase Control in Template-Directed ZnS and (Cd,Zn)S Nanocrystals. Crystal Growth and Design, 2013, 13, 2149-2160.	3.0	7
60	Nanometer size effects in nucleation, growth and characterization of templated CdS nanocrystal assemblies. Nanoscale, 2012, 4, 7655.	5.6	8
61	Hetero-Twinning in Chemical Epitaxy of PbS Thin Films on GaAs Substrates. Crystal Growth and Design, 2012, 12, 4006-4011.	3.0	11
62	Origin of the Contact Angle Hysteresis of Water on Chemisorbed and Physisorbed Self-Assembled Monolayers. Langmuir, 2012, 28, 14609-14617.	3.5	68
63	Directed Coassembly of Oriented PbS Nanoparticles and Monocrystalline Sheets of Alkylamine Surfactant. Langmuir, 2012, 28, 15119-15123.	3.5	4
64	Effect of Metal Cations on Polydiacetylene Langmuir Films. Langmuir, 2012, 28, 4248-4258.	3.5	18
65	Complex investigation of electronic structure transformations in Lead Sulphide nanoparticles using a set of electron spectroscopy techniques. Vacuum, 2012, 86, 638-642.	3.5	3
66	Hierarchical superstructure of alkylamine-coated ZnS nanoparticle assemblies. Physical Chemistry Chemical Physics, 2011, 13, 4974.	2.8	17
67	Surface Termination Control in Chemically Deposited PbS Films: Nucleation and Growth on GaAs(111)A and GaAs(111)B. Journal of Physical Chemistry C, 2011, 115, 16501-16508.	3.1	21
68	Zinc modified polydiacetylene Langmuir films. Soft Matter, 2011, 7, 9069.	2.7	24
69	Composite photonic crystal cavities of macro porous silicon and lead sulfide thin films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1394-1398.	1.8	1
70	Strengthening of poly-crystalline (ceramic) Nd:YAG elements for high-power laser applications. Optical Materials, 2011, 33, 695-701.	3.6	19
71	Studying of quantum-size effects origination in semiconducting lead sulfide nanocrystals. Protection of Metals and Physical Chemistry of Surfaces, 2010, 46, 633-638.	1.1	3
72	Thermal healing of the sub-surface damage layer in sapphire. Materials Chemistry and Physics, 2010, 124, 323-329.	4.0	12

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73	Size shift of XPS lines observed from PbS nanocrystals. Surface and Interface Analysis, 2010, 42, 850-854.	1.8	42
74	Chemical epitaxy of semiconductor thin films. MRS Bulletin, 2010, 35, 790-796.	3.5	33
75	Tunability of the optical band edge in thin PbS films chemically deposited on GaAs(100). Journal of Physics Condensed Matter, 2010, 22, 262002.	1.8	15
76	Chemically Programmed Ultrahigh Density Two-Dimensional Semiconductor Superlattice Array. Journal of the American Chemical Society, 2010, 132, 1212-1213.	13.7	24
77	Phase transition kinetics in Langmuir and spin-coated polydiacetylene films. Physical Chemistry Chemical Physics, 2010, 12, 713-722.	2.8	33
78	Atomic Positional Versus Electronic Order in Semiconducting ZnSe Nanoparticles. Physical Review Letters, 2009, 103, 136802.	7.8	59
79	Twoâ€•and threeâ€•dimensional composite photonic crystals of macroporous silicon and lead sulfide semiconductor nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1290-1294.	1.8	8
80	Assessment of carrier-multiplication efficiency in bulk PbSe and PbS. Nature Physics, 2009, 5, 811-814.	16.7	245
81	Effect of carbon implantation on visible luminescence and composition of Si-implanted SiO2 layers. Surface and Coatings Technology, 2009, 203, 2658-2663.	4.8	20
82	Luminescence and structure of nanosized inclusions formed in SiO2 layers under double implantation of silicon and carbon ions. Journal of Surface Investigation, 2009, 3, 702-708.	0.5	4
83	Shape-Dependent Confinement in Ultrasmall Zero-, One-, and Two-Dimensional PbS Nanostructures. Journal of the American Chemical Society, 2009, 131, 11282-11283.	13.7	73
84	The Temperature-Dependent Structure of Alkylamines and Their Corresponding Alkylammonium-Alkylcarbamates. Journal of the American Chemical Society, 2009, 131, 9107-9113.	13.7	34
85	Structural Transitions in Polydiacetylene Langmuir Films. Langmuir, 2009, 25, 4469-4477.	3.5	90
86	Two-Photon Polymerization of Polydiacetylene. Journal of Physical Chemistry B, 2009, 113, 1273-1276.	2.6	11
87	Reaction of Alkylamine Surfactants with Carbon Dioxide: Relevance to Nanocrystal Synthesis. Nano Letters, 2009, 9, 2088-2093.	9.1	36
88	The role of interparticle and external forces in nanoparticle assembly. , 2009, , 38-49.		14
89	Silicon Photonic Crystals Doped with Colloidally Synthesized Lead Salt Semiconductors Nanocrystals. Journal of Nanoscience and Nanotechnology, 2009, 9, 3648-3651.	0.9	3
90	Interfacial characterization of chemical solutionâ€•deposited thin films of PbSe on GaAs(100). Surface and Interface Analysis, 2008, 40, 939-943.	1.8	5

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91	Chemical solution deposited PbS thin films on Si(100). Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3431-3436.	0.8	22
92	Photoluminescence of polydiacetylene membranes on porous silicon utilized for chemical sensors. Optical Materials, 2008, 30, 1766-1774.	3.6	12
93	Effect of hot acid etching on the mechanical strength of ground YAG laser elements. Journal of Physics and Chemistry of Solids, 2008, 69, 839-846.	4.0	12
94	The role of interparticle and external forces in nanoparticle assembly. Nature Materials, 2008, 7, 527-538.	27.5	1,049
95	Microstructure related transport phenomena in chemically deposited PbSe films. Materials Chemistry and Physics, 2008, 112, 132-135.	4.0	10
96	Ultra Narrow PbS Nanorods with Intense Fluorescence. Journal of the American Chemical Society, 2008, 130, 4594-4595.	13.7	83
97	Optical properties of size quantized PbSe films chemically deposited on GaAs. EPJ Applied Physics, 2008, 41, 75-80.	0.7	11
98	Adhesion and Stable Low Friction Provided by a Subnanometer-Thick Monolayer of a Natural Polysaccharide. Langmuir, 2008, 24, 1534-1540.	3.5	56
99	Hierarchical Assembly of Ultranarrow Alkylamine-Coated ZnS Nanorods: A Synchrotron Surface X-Ray Diffraction Study. Nano Letters, 2008, 8, 3858-3864.	9.1	39
100	Normal and Shear Forces Generated during the Ordering (Directed Assembly) of Confined Straight and Curved Nanowires. Nano Letters, 2008, 8, 246-252.	9.1	21
101	Frictional Properties of Surfactant-Coated Rod-Shaped Nanoparticles in Dry and Humid Dodecane. Journal of Physical Chemistry B, 2008, 112, 14395-14401.	2.6	25
102	Enhanced photoluminescence and photonic bandgap modification from composite photonic crystals of macroporous silicon and nanocrystalline PbS thin films. Applied Physics Letters, 2008, 93, 073111.	3.3	23
103	Electron spectroscopy investigations of semiconductor nanocrystals formed by various technologies. International Journal of Nanoparticles, 2008, 1, 14.	0.3	0
104	Formation of Ge Nanocrystals in Al₂O₃ Matrix. Journal of Nanoscience and Nanotechnology, 2008, 8, 759-763.	0.9	4
105	Microstructure and morphology evolution in chemically deposited semiconductor films: 4. From isolated nanoparticles to monocrystalline PbS thin films on GaAs(100) substrates. EPJ Applied Physics, 2007, 37, 39-47.	0.7	27
106	Synthesis, Two-Dimensional Assembly, and Surface Pressure-Induced Coalescence of Ultranarrow PbS Nanowires. Nano Letters, 2007, 7, 1459-1462.	9.1	100
107	Synthesis, Assembly, and Optical Properties of Shape- and Phase-Controlled ZnSe Nanostructures. Langmuir, 2007, 23, 765-770.	3.5	82
108	Forces between Surfaces across Nanoparticle Solutions:Â Role of Size, Shape, and Concentration. Langmuir, 2007, 23, 3961-3969.	3.5	47

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109	Raman Spectroscopy of Ultranarrow CdS Nanostructures. Journal of Physical Chemistry C, 2007, 111, 11843-11848.	3.1	104
110	Polarization Properties and Switchable Assembly of Ultranarrow ZnSe Nanorods. Advanced Materials, 2007, 19, 1105-1108.	21.0	60
111	EPITAXY and orientation control in chemical solution deposited PbS and PbSe monocrystalline films. Journal of Crystal Growth, 2007, 304, 169-178.	1.5	48
112	The role of solution composition in chemical bath deposition of epitaxial thin films of PbS on GaAs(100). Journal of Crystal Growth, 2007, 308, 334-339.	1.5	44
113	Switchable Assembly of Ultra Narrow CdS Nanowires and Nanorods. Journal of the American Chemical Society, 2006, 128, 9294-9295.	13.7	80
114	Real Time Monitoring of the Deposition Mechanism in Chemical Solution Deposited PbSe Films Using Light Scattering. Chemistry of Materials, 2006, 18, 3593-3595.	6.7	25
115	Superior Biolubricant from a Species of Red Microalga. Langmuir, 2006, 22, 7313-7317.	3.5	112
116	Cathodoluminescence study of micro-crack-induced stress relief for AlN films on Si(111). Journal of Electronic Materials, 2006, 35, L15-L19.	2.2	9
117	Forces between Surfactant-Coated ZnS Nanoparticles in Dodecane: Effect of Water. Advanced Functional Materials, 2006, 16, 2127-2134.	14.9	36
118	Template Growth of Nanocrystalline PbS, CdS, and ZnS on a Polydiacetylene Langmuir Film: An Inâ€‰Situ Grazing Incidence X-ray Diffraction Study. Advanced Functional Materials, 2006, 16, 2398-2404.	14.9	17
119	A Semiconductor-Nanowire Assembly of Ultrahigh Junction Density by the Langmuir-Blodgett Technique. Advanced Materials, 2006, 18, 210-213.	21.0	109
120	Frictional Properties of Confined Nanorods. Advanced Materials, 2006, 18, 2589-2592.	21.0	74
121	Thermochemical strengthening of Nd:YAG laser rods. , 2006, , .		3
122	Structural and Optical Properties of Al2O3 with Si and Ge Nanocrystals. Materials Research Society Symposia Proceedings, 2006, 958, 1.	0.1	3
123	Effect of light regimes on the microstructure of the reef-building coral Fungia simplex. Materials Science and Engineering C, 2005, 25, 81-85.	7.3	7
124	Nanocrystalline Ag2S on Polydiacetylene Langmuir Films. Crystal Growth and Design, 2005, 5, 439-443.	3.0	31
125	Microstructure and morphology evolution in chemical solution deposited semiconductor films: 3. PbSe on GaAs vs. Si substrate. EPJ Applied Physics, 2005, 31, 27-30.	0.7	22
126	Microstructure and morphology evolution in chemical solution deposited semiconductor films: 2. PbSe on As face of GaAs(111). EPJ Applied Physics, 2004, 28, 51-57.	0.7	25

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127	Transmission electron microscopy of epitaxial PbS nanocrystals on polydiacetylene Langmuir films. Nanotechnology, 2004, 15, S316-S321.	2.6	24
128	Microstructure of GaN grown by lateral confined epitaxy 2. GaN on patterned sapphire. Journal of Electronic Materials, 2003, 32, 23-28.	2.2	1
129	Skeletal architecture and microstructure of the calcifying coral Fungia simplex. Materials Science and Engineering C, 2003, 23, 473-477.	7.3	11
130	A qualitative description of preferred orientation in porous carbonate matrices of marine origin. Materials Science and Engineering C, 2003, 23, 593-595.	7.3	1
131	Reduction of oxygen contamination in AlN. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2541-2544.	0.8	1
132	Microstructure and morphology evolution in chemical solution deposited PbSe films on GaAs(100). EPJ Applied Physics, 2003, 24, 13-20.	0.7	35
133	Controlled Deposition of Oriented PbS Nanocrystals on Ultrathin Polydiacetylene Templates at the Airâ^'Solution Interface. Langmuir, 2003, 19, 10962-10966.	3.5	34
134	High-quality GaN on intentionally roughened c-sapphire. EPJ Applied Physics, 2003, 22, 11-14.	0.7	3
135	Enhanced photoluminescence from GaN grown by lateral confined epitaxy. Journal of Applied Physics, 2002, 91, 1191-1197.	2.5	13
136	The x-ray surface forces apparatus for simultaneous x-ray diffraction and direct normal and lateral force measurements. Review of Scientific Instruments, 2002, 73, 2486-2488.	1.3	22
137	Microstructure of GaN deposited by lateral confined epitaxy on patterned Si (111). Journal of Electronic Materials, 2002, 31, 88-93.	2.2	3
138	In situ X-ray Diffraction Studies of a Multilayered Membrane Fluid under Confinement and Shear. International Journal of Thermophysics, 2001, 22, 1175-1184.	2.1	5
139	Microtribology and Friction-Induced Material Transfer in WS2 Nanoparticle Additives. Advanced Functional Materials, 2001, 11, 348-354.	14.9	64
140	Direct Observation of Shear-Induced Orientational Phase Coexistence in a Lyotropic System Using a Modified X-Ray Surface Forces Apparatus. Physical Review Letters, 2001, 86, 1263-1266.	7.8	42
141	In situ imaging of shearing contacts in the surface forces apparatus. Wear, 2000, 245, 190-195.	3.1	27
142	Generic Substrate for the Surface Forces Apparatus:Â Deposition and Characterization of Silicon Nitride Surfaces. Langmuir, 2000, 16, 6955-6960.	3.5	23
143	Structural and optical properties of GaN laterally overgrown on Si(111) by metalorganic chemical vapor deposition using an AlN buffer layer. MRS Internet Journal of Nitride Semiconductor Research, 1999, 4, 1.	1.0	107
144	Microtribology and Direct Force Measurement of WS2 Nested Fullerene-Like Nanostructures. Advanced Materials, 1999, 11, 934-937.	21.0	83

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145	The Effect of Growth Environment on the Morphological and Extended Defect Evolution in GaN Grown by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 1998, 37, 4460-4466.	1.5	101
146	Morphology and microstructural evolution in the early stages of hydride vapor phase epitaxy of GaN on sapphire. Applied Physics Letters, 1998, 73, 3090-3092.	3.3	59
147	Substrate Reactivity and â€œControlled Contaminationâ€•in Metalorganic Chemical Vapor Deposition of GaN on Sapphire. Japanese Journal of Applied Physics, 1998, 37, 4695-4703.	1.5	16
148	Electrodeposited Quantum Dots. 6. Epitaxial Size Control in Cd(Se, Te) Nanocrystals on {111} Gold. Israel Journal of Chemistry, 1997, 37, 303-313.	2.3	8
149	Substrate Surface Treatments and â€œControlled Contaminationâ€•in GaN / Sapphire MOCVD. Materials Research Society Symposia Proceedings, 1997, 482, 157.	0.1	3
150	Electrodeposited quantum dots: Coherent nanocrystalline cdse on oriented polycrystalline au films. Advanced Materials, 1997, 9, 236-238.	21.0	19
151	Optoelectronic Characterization of Epitaxial Films of Electrodeposited CdSe Quantum Dots. , 1996, , 579-590.		1
152	Electrodeposited Quantum Dots. 3. Interfacial Factors Controlling the Morphology, Size, and Epitaxy. The Journal of Physical Chemistry, 1996, 100, 2220-2228.	2.9	57
153	Electrodeposited quantum dots IV. Epitaxial short-range order in amorphous semiconductor nanostructures. Surface Science, 1996, 350, 277-284.	1.9	21
154	Epitaxial size control by mismatch tuning in electrodeposited Cd(Se, Te) quantum dots on {111} gold. Advanced Materials, 1996, 8, 631-633.	21.0	32
155	The Role of Semiconductor/Substrate Mismatch in the Formation of Electrodeposited Quantum Dots. , 1996, , 167-174.		1
156	Electrochemical characterization and morphological studies of palladium-modified carbon ceramic electrodes. Journal of Electroanalytical Chemistry, 1995, 395, 57-66.	3.8	38
157	Vacuumâ€Ðeposited Gold Films: II . Role of the Crystallographic Orientation of Oxideâ€Covered Silicon Substrates. Journal of the Electrochemical Society, 1995, 142, 1629-1633.	2.9	17
158	Electrodeposited quantum dots. Surface Science, 1994, 311, L633-L640.	1.9	60
159	Vacuum-deposited gold films. Surface Science, 1992, 264, 312-326.	1.9	168
160	Epitaxial electrodeposition of cadmium selenide nanocrystals on gold. Langmuir, 1992, 8, 749-752.	3.5	97
161	Electroless Deposited Nickel Thin Films Alloyed with Thorium. Crystal Research and Technology, 0, , 2100194.	1.3	1
162	Amidation-Controlled Polymorphism in SnS Nanoparticles. Crystal Growth and Design, 0, , .	3.0	0