

# Roy G Gordon

## List of Publications by Citations

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275  
papers

22,469  
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76  
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293  
ext. papers

24,534  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
275	Criteria for Choosing Transparent Conductors. <i>MRS Bulletin</i> , <b>2000</b> , 25, 52-57	3.2	1199
274	Theory for the Forces between Closed-Shell Atoms and Molecules. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 3122-3133	3.9	1121
273	A metal-free organic-inorganic aqueous flow battery. <i>Nature</i> , <b>2014</b> , 505, 195-8	50.4	1025
272	Alkaline quinone flow battery. <i>Science</i> , <b>2015</b> , 349, 1529-32	33.3	622
271	New Method for Constructing Wavefunctions for Bound States and Scattering. <i>Journal of Chemical Physics</i> , <b>1969</b> , 51, 14-25	3.9	561
270	Atomic layer deposition of transition metals. <i>Nature Materials</i> , <b>2003</b> , 2, 749-54	27	544
269	Textured aluminum-doped zinc oxide thin films from atmospheric pressure chemical-vapor deposition. <i>Journal of Applied Physics</i> , <b>1992</b> , 71, 880-890	2.5	522
268	Self-Aligned Ballistic Molecular Transistors and Electrically Parallel Nanotube Arrays. <i>Nano Letters</i> , <b>2004</b> , 4, 1319-1322	11.5	435
267	Carbon Nanotube Field-Effect Transistors with Integrated Ohmic Contacts and High- $\kappa$ Gate Dielectrics. <i>Nano Letters</i> , <b>2004</b> , 4, 447-450	11.5	430
266	Overcoming Efficiency Limitations of SnS-Based Solar Cells. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400496	21.8	422
265	Atomic Layer Deposition of Hafnium and Zirconium Oxides Using Metal Amide Precursors. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 4350-4358	9.6	413
264	High performance n-type carbon nanotube field-effect transistors with chemically doped contacts. <i>Nano Letters</i> , <b>2005</b> , 5, 345-8	11.5	379
263	Atomic Layer Deposition to Fine-Tune the Surface Properties and Diameters of Fabricated Nanopores. <i>Nano Letters</i> , <b>2004</b> , 4, 1333-1337	11.5	352
262	Error Bounds in Equilibrium Statistical Mechanics. <i>Journal of Mathematical Physics</i> , <b>1968</b> , 9, 655-663	1.2	339
261	Atomic Layer Deposition of Tin Monosulfide Thin Films. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1116-1125	21.8	332
260	Quantum scattering theory of rotational relaxation and spectral line shapes in H <sub>2</sub> He gas mixtures. <i>Journal of Chemical Physics</i> , <b>1973</b> , 58, 5422-5443	3.9	323
259	A redox-flow battery with an alloxazine-based organic electrolyte. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	307

258	Surface chemistry and electrical properties of germanium nanowires. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 11602-11	16.4	301
257	A Neutral pH Aqueous Organic/Organometallic Redox Flow Battery with Extremely High Capacity Retention. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 639-644	20.1	273
256	Synthesis and characterization of volatile, thermally stable, reactive transition metal amidinates. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 7951-8	5.1	247
255	Enhancing the efficiency of SnS solar cells via band-offset engineering with a zinc oxysulfide buffer layer. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 053901	3.4	245
254	Textured fluorine-doped ZnO films by atmospheric pressure chemical vapor deposition and their use in amorphous silicon solar cells. <i>Solar Cells</i> , <b>1991</b> , 30, 437-450		241
253	Surface morphology and crystallinity control in the atomic layer deposition (ALD) of hafnium and zirconium oxide thin films. <i>Journal of Crystal Growth</i> , <b>2003</b> , 249, 251-261	1.6	233
252	Exact recursive evaluation of 3j- and 6j-coefficients for quantum-mechanical coupling of angular momenta. <i>Journal of Mathematical Physics</i> , <b>1975</b> , 16, 1961-1970	1.2	231
251	Atmospheric pressure chemical vapor deposition of gallium doped zinc oxide thin films from diethyl zinc, water, and triethyl gallium. <i>Journal of Applied Physics</i> , <b>1992</b> , 72, 5381-5392	2.5	225
250	Improved Error Bounds for the Long-Range Forces between Atoms. <i>Journal of Chemical Physics</i> , <b>1971</b> , 54, 663-673	3.9	218
249	Atomic layer deposited gallium oxide buffer layer enables 1.2 V open-circuit voltage in cuprous oxide solar cells. <i>Advanced Materials</i> , <b>2014</b> , 26, 4704-10	24	205
248	Atomic layer deposition on suspended single-walled carbon nanotubes via gas-phase noncovalent functionalization. <i>Nano Letters</i> , <b>2006</b> , 6, 699-703	11.5	200
247	3.88% efficient tin sulfide solar cells using congruent thermal evaporation. <i>Advanced Materials</i> , <b>2014</b> , 26, 7488-92	24	195
246	Rapid vapor deposition of highly conformal silica nanolaminates. <i>Science</i> , <b>2002</b> , 298, 402-6	33.3	195
245	Scaled electron gas approximation for intermolecular forces. <i>Journal of Chemical Physics</i> , <b>1979</b> , 71, 1325-1339	3.39	191
244	Chemical vapor deposition of titanium, zirconium, and hafnium nitride thin films. <i>Chemistry of Materials</i> , <b>1991</b> , 3, 1138-1148	9.6	182
243	Atomic Layer Deposition of Ultrathin Copper Metal Films from a Liquid Copper(I) Amidinate Precursor. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, C787	3.9	180
242	Alkaline Quinone Flow Battery with Long Lifetime at pH 12. <i>Joule</i> , <b>2018</b> , 2, 1894-1906	27.8	175
241	Study of the electron gas approximation. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 1842-1850	3.9	154

240	ALD of Hafnium Oxide Thin Films from Tetrakis(ethylmethylamino)hafnium and Ozone. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, G213	3.9	153
239	Ultrathin amorphous zinc-tin-oxide buffer layer for enhancing heterojunction interface quality in metal-oxide solar cells. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2112	35.4	150
238	Synthesis and characterization of copper(I) amidinates as precursors for atomic layer deposition (ALD) of copper metal. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 1728-35	5.1	142
237	Anthraquinone Derivatives in Aqueous Flow Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601488	21.8	141
236	Chemical vapor deposition of vanadium, niobium, and tantalum nitride thin films. <i>Chemistry of Materials</i> , <b>1993</b> , 5, 614-619	9.6	139
235	Improved Cu <sub>2</sub> O-Based Solar Cells Using Atomic Layer Deposition to Control the Cu Oxidation State at the p-n Junction. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301916	21.8	132
234	Calculation of Coefficients in the Power Series Expansion of the Long-Range Dispersion Force between Atoms. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 2801-2806	3.9	131
233	Line Shapes in Molecular Spectra. <i>Journal of Chemical Physics</i> , <b>1968</b> , 49, 2455-2456	3.9	130
232	Diffusion barrier properties of tungsten nitride films grown by atomic layer deposition from bis(tert-butylimido)bis(dimethylamido)tungsten and ammonia. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2239-2241	2.4	128
231	Creation and control of two-dimensional electron gas using Al-based amorphous oxides/SrTiO <sub>3</sub> heterostructures grown by atomic layer deposition. <i>Nano Letters</i> , <b>2012</b> , 12, 4775-83	11.5	126
230	A Phosphonate-Functionalized Quinone Redox Flow Battery at Near-Neutral pH with Record Capacity Retention Rate. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900039	21.8	122
229	Highly Conformal Thin Films of Tungsten Nitride Prepared by Atomic Layer Deposition from a Novel Precursor. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 2969-2976	9.6	122
228	Co-optimization of SnS absorber and Zn(O,S) buffer materials for improved solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2015</b> , 23, 901-908	6.8	118
227	Semiclassical approximations to 3j- and 6j-coefficients for quantum-mechanical coupling of angular momenta. <i>Journal of Mathematical Physics</i> , <b>1975</b> , 16, 1971-1988	1.2	118
226	On a semiclassical study of molecular collisions. II. Application to HCl-argon. <i>Journal of Chemical Physics</i> , <b>1973</b> , 58, 4149-4170	3.9	118
225	Atomic Layer Deposition of Y <sub>2</sub> O <sub>3</sub> Thin Films from Yttrium Tris(N,N-diisopropylacetamidinate) and Water. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 4808-4814	9.6	115
224	Alkaline Benzoquinone Aqueous Flow Battery for Large-Scale Storage of Electrical Energy. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702056	21.8	113
223	Vapor Deposition of Metal Oxides and Silicates: Possible Gate Insulators for Future Microelectronics. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2463-2464	9.6	110

222	Low Temperature Atomic Layer Deposition of Tin Oxide. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4964-4973	9.6	106
221	On a semiclassical study of molecular collisions. I. General method. <i>Journal of Chemical Physics</i> , <b>1973</b> , 58, 4131-4148	3.9	106
220	Semiclassical Perturbation Theory of Molecular Collisions. I. First and Second Order. <i>Journal of Chemical Physics</i> , <b>1970</b> , 53, 1815-1831	3.9	101
219	Glass-encapsulated light harvesters: more efficient dye-sensitized solar cells by deposition of self-aligned, conformal, and self-limited silica layers. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 9537-40	16.4	98
218	Chemical vapor deposition of coatings on glass. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 218, 81-91	3.9	96
217	Nitrogen-doped cuprous oxide as a p-type hole-transporting layer in thin-film solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15416	13	95
216	A Long-Lifetime All-Organic Aqueous Flow Battery Utilizing TMAP-TEMPO Radical. <i>Chem</i> , <b>2019</b> , 5, 1861-1870	16.4	94
215	Extending the Lifetime of Organic Flow Batteries via Redox State Management. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8014-8019	16.4	93
214	Nucleation and Adhesion of ALD Copper on Cobalt Adhesion Layers and Tungsten Nitride Diffusion Barriers. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, G182		93
213	Tungsten Nitride Inverse Opals by Atomic Layer Deposition. <i>Nano Letters</i> , <b>2003</b> , 3, 1293-1297	11.5	92
212	Ion-ion interaction potentials and their application to the theory of alkali halide and alkaline earth dihalide molecules. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 4332-4344	3.9	90
211	A Water-Miscible Quinone Flow Battery with High Volumetric Capacity and Energy Density. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1342-1348	20.1	87
210	Externally Assembled Gate-All-Around Carbon Nanotube Field-Effect Transistor. <i>IEEE Electron Device Letters</i> , <b>2008</b> , 29, 183-185	4.4	85
209	Textured tin oxide films produced by atmospheric pressure chemical vapor deposition from tetramethyltin and their usefulness in producing light trapping in thin film amorphous silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>1989</b> , 18, 263-281		84
208	Vibrational Relaxation of Diatomic Molecules in Gases and Liquids. <i>Journal of Chemical Physics</i> , <b>1967</b> , 47, 1600-1608	3.9	84
207	Atomic Layer Deposition of Insulating Hafnium and Zirconium Nitrides. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 3497-3501	9.6	83
206	Calculations on the HClAr van der Waals complex. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 354-363	3.9	82
205	Ion-rare gas interactions on the repulsive part of the potential curves. <i>Journal of Chemical Physics</i> , <b>1974</b> , 60, 4323-4331	3.9	82

204	Antimony-Doped Tin(II) Sulfide Thin Films. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4556-4562	9.6	80
203	Mapping the frontiers of quinone stability in aqueous media: implications for organic aqueous redox flow batteries. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12833-12841	13	78
202	Band offsets of n-type electron-selective contacts on cuprous oxide (Cu <sub>2</sub> O) for photovoltaics. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 263901	3.4	78
201	Atomic layer deposition of lanthanum aluminum oxide nano-laminates for electrical applications. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3957-3959	3.4	77
200	Error Bounds for the Long-Range Forces between Atoms. <i>Journal of Chemical Physics</i> , <b>1968</b> , 48, 3929-3934	3.4	76
199	Atomic layer deposited zinc tin oxide channel for amorphous oxide thin film transistors. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 113507	3.4	75
198	Vapor Deposition of Ruthenium from an Amidinate Precursor. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, D642	3.9	75
197	Solution-phase reactivity as a guide to the low-temperature chemical vapor deposition of early-transition-metal nitride thin films. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 7833-7835	16.4	74
196	Bound atom-diatom molecule complexes. Anisotropic intermolecular potentials for the hydrogen rare gas systems. <i>Journal of Chemical Physics</i> , <b>1978</b> , 68, 700-725	3.9	74
195	Surface Chemistry of Copper(I) Acetamidates in Connection with Atomic Layer Deposition (ALD) Processes. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 3325-3334	9.6	73
194	Surface and interface processes during atomic layer deposition of copper on silicon oxide. <i>Langmuir</i> , <b>2010</b> , 26, 3911-7	4	71
193	In Situ Infrared Characterization during Atomic Layer Deposition of Lanthanum Oxide. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 654-660	3.8	71
192	Three dimensional solid-state supercapacitors from aligned single-walled carbon nanotube array templates. <i>Carbon</i> , <b>2011</b> , 49, 4890-4897	10.4	70
191	Band alignment of SnS/Zn(O,S) heterojunctions in SnS thin film solar cells. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 181904	3.4	68
190	Properties of fluorine-doped tin oxide films produced by atmospheric pressure chemical vapor deposition from tetramethyltin, bromotrifluoromethane and oxygen. <i>Thin Solid Films</i> , <b>1992</b> , 214, 175-187	2.2	68
189	Heteroepitaxy of La <sub>2</sub> O <sub>3</sub> and La <sub>2-x</sub> Y <sub>x</sub> O <sub>3</sub> on GaAs (111)A by atomic layer deposition: achieving low interface trap density. <i>Nano Letters</i> , <b>2013</b> , 13, 594-9	11.5	67
188	Tests of nonlocal kinetic energy functionals. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 4446-4452	3.9	67
187	Atmospheric pressure chemical vapor deposition of transparent conducting films of fluorine doped zinc oxide and their application to amorphous silicon solar cells. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 6388-6399	4.3	61

186	Preparation and Properties of Transparent Conductors. <i>Materials Research Society Symposia Proceedings</i> , <b>1996</b> , 426, 419		61
185	Gas-phase kinetics in the atmospheric pressure chemical vapor deposition of silicon from silane and disilane. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 1062-1075	2.5	61
184	ALD of High-Dielectrics on Suspended Functionalized SWNTs. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, G89		60
183	Atmospheric Pressure Chemical Vapor Deposition of Titanium Nitride from Tetrakis (diethylamido) Titanium and Ammonia. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, 736-744	3.9	60
182	Highly conformal atomic layer deposition of tantalum oxide using alkylamide precursors. <i>Thin Solid Films</i> , <b>2003</b> , 443, 1-4	2.2	59
181	Intermolecular Potentials and Infrared Spectra. <i>Journal of Chemical Physics</i> , <b>1971</b> , 55, 4898-4906	3.9	59
180	High density Ru nanocrystal deposition for nonvolatile memory applications. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 124503	2.5	58
179	Direct-Liquid-Injection Chemical Vapor Deposition of Nickel Nitride Films and Their Reduction to Nickel Films. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 3060-3066	9.6	57
178	Thin, Continuous, and Conformal Copper Films by Reduction of Atomic Layer Deposited Copper Nitride. <i>Chemical Vapor Deposition</i> , <b>2006</b> , 12, 435-441		57
177	A High Voltage Aqueous Zinc-Organic Hybrid Flow Battery. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900694	21.8	56
176	Selective Chemical Vapor Deposition of Manganese Self-Aligned Capping Layer for Cu Interconnections in Microelectronics. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, D341	3.9	56
175	Deposition of Boron Doped Zinc Oxide Films and Their Electrical and Optical Properties. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 2014-2022	3.9	56
174	Quantum theory of angular momentum coupling in reactive collisions. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 2918-2938	3.9	56
173	Atomic layer deposition of insulating nitride interfacial layers for germanium metal oxide semiconductor field effect transistors with high-oxide/tungsten nitride gate stacks. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 212104	3.4	53
172	Tantalum(V) nitride inverse opals as photonic structures for visible wavelengths. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 3764-71	3.4	53
171	Molecular Engineering of an Alkaline Naphthoquinone Flow Battery. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1880-1887	21.8	52
170	Atomic layer deposition of gadolinium scandate films with high dielectric constant and low leakage current. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 133512	3.4	51
169	Near Neutral pH Redox Flow Battery with Low Permeability and Long-Lifetime Phosphonated Viologen Active Species. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000100	21.8	51

168	Atmospheric pressure chemical vapor deposition of TiN from tetrakis(dimethylamido)titanium and ammonia. <i>Journal of Materials Research</i> , <b>1996</b> , 11, 989-1001	2.5	50
167	Accurate analytic approximations for the rotating Morse oscillator: Energies, wave functions, and matrix elements. <i>Journal of Chemical Physics</i> , <b>1982</b> , 76, 5452-5457	3.9	50
166	Synthesis of N-Heterocyclic Stannylene (Sn(II)) and Germylene (Ge(II)) and a Sn(II) Amidinate and Their Application as Precursors for Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3065-3073	9.6	49
165	Synthesis and characterization of volatile liquid cobalt amidinates. <i>Dalton Transactions</i> , <b>2008</b> , 2592-7	4.3	48
164	Semiclassical Perturbation Theory of Molecular Collisions. II. The Calculation of Collision Cross Sections. <i>Journal of Chemical Physics</i> , <b>1970</b> , 53, 1831-1850	3.9	48
163	Uptake of Copper Acetamidinate ALD Precursors on Nickel Surfaces. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 352-359	9.6	47
162	Filling Narrow Trenches by Iodine-Catalyzed CVD of Copper and Manganese on Manganese Nitride Barrier/Adhesion Layers. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, D248	3.9	47
161	Local asymptotic gradient corrections to the energy functional of an electron gas. <i>Journal of Chemical Physics</i> , <b>1985</b> , 82, 881-889	3.9	46
160	Symmetric All-Quinone Aqueous Battery. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 4016-4021	6.1	44
159	Size-Dependent-Transport Study of $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$ Gate-All-Around Nanowire MOSFETs: Impact of Quantum Confinement and Volume Inversion. <i>IEEE Electron Device Letters</i> , <b>2012</b> , 33, 967-969	4.4	44
158	A kinematic, classical mechanical theory of reactive collisions. <i>Journal of Chemical Physics</i> , <b>1982</b> , 76, 3009-3018	3.9	44
157	Extremely Stable Anthraquinone Negolytes Synthesized from Common Precursors. <i>CheM</i> , <b>2020</b> , 6, 1432-1442	10.4	43
156	Sealing Porous Low-k Dielectrics with Silica. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, G306		43
155	Generalized electron gas/Drude model theory of intermolecular forces. <i>Journal of Chemical Physics</i> , <b>1979</b> , 71, 1340-1352	3.9	42
154	Kinetic Modeling of the Chemical Vapor Deposition of Silicon Dioxide from Silane or Disilane and Nitrous Oxide. <i>Journal of the Electrochemical Society</i> , <b>1990</b> , 137, 3237-3253	3.9	41
153	Transient terahertz photoconductivity measurements of minority-carrier lifetime in tin sulfide thin films: Advanced metrology for an early stage photovoltaic material. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 035101	2.5	39
152	Atomic layer deposition of tin oxide with nitric oxide as an oxidant gas. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4599		38
151	Novel phase diagram behavior and materials design in heterostructural semiconductor alloys. <i>Science Advances</i> , <b>2017</b> , 3, e1700270	14.3	37



150	Atomic layer deposition of Zn(O,S) thin films with tunable electrical properties by oxygen annealing. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 132110	3-4	37
149	Heteroepitaxy of single-crystal LaLuO <sub>3</sub> on GaAs(111)A by atomic layer deposition. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 162910	3-4	37
148	Atomic layer deposition of Sc <sub>2</sub> O <sub>3</sub> for passivating AlGaIn/GaN high electron mobility transistor devices. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 232109	3-4	36
147	Modulated Double Resonance and Inelastic Collisions. <i>Journal of Chemical Physics</i> , <b>1967</b> , 46, 4399-4403	3-9	36
146	UV-Vis spectrophotometry of quinone flow battery electrolyte for in situ monitoring and improved electrochemical modeling of potential and quinhydrone formation. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 31684-31691	3-6	35
145	High-Performance InAlN/GaN MOSHEMTs Enabled by Atomic Layer Epitaxy MgCaO as Gate Dielectric. <i>IEEE Electron Device Letters</i> , <b>2016</b> , 37, 556-559	4-4	34
144	Atomic Layer Deposition of Lanthanum-Based Ternary Oxides. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, G13		34
143	Chemical vapor deposition of aluminum nitride thin films. <i>Journal of Materials Research</i> , <b>1992</b> , 7, 1679-1684		34
142	Exact Solutions to the Coupled Hartree-Fock Perturbation Equations. <i>Journal of Chemical Physics</i> , <b>1972</b> , 56, 3823-3831	3-9	34
141	Atmospheric pressure chemical vapor deposition of aluminum nitride thin films at 200±50 °C. <i>Journal of Materials Research</i> , <b>1991</b> , 6, 5-7	2-5	33
140	Vapor Deposition of Highly Conformal Copper Seed Layers for Plating Through-Silicon Vias (TSVs). <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, D382-D385	3-9	32
139	Titanium Nitride Thin Films: Properties and APCVD Synthesis Using Organometallic Precursors. <i>Materials Research Society Symposia Proceedings</i> , <b>1989</b> , 168, 357		31
138	Constructing Wavefunctions for Nonlocal Potentials. <i>Journal of Chemical Physics</i> , <b>1970</b> , 52, 6211-6217	3-9	31
137	Solution for bound state wavefunctions and matrix elements by the piecewise analytic method. <i>Journal of Chemical Physics</i> , <b>1976</b> , 64, 4984-4994	3-9	30
136	Ultrathin CVD Cu Seed Layer Formation Using Copper Oxynitride Deposition and Room Temperature Remote Hydrogen Plasma Reduction. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, H496	3-9	29
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