

# Marcel A Verheijen

## List of Publications by Citations

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252  
papers

9,931  
citations

55  
h-index

92  
g-index

278  
ext. papers

11,192  
ext. citations

7.6  
avg, IF

6.1  
L-index

#	Paper	IF	Citations
252	Twinning superlattices in indium phosphide nanowires. <i>Nature</i> , <b>2008</b> , 456, 369-72	50.4	566
251	Quantized Majorana conductance. <i>Nature</i> , <b>2018</b> , 556, 74-79	50.4	382
250	Bright single-photon sources in bottom-up tailored nanowires. <i>Nature Communications</i> , <b>2012</b> , 3, 737	17.4	317
249	Single quantum dot nanowire LEDs. <i>Nano Letters</i> , <b>2007</b> , 7, 367-71	11.5	310
248	Direct band gap wurtzite gallium phosphide nanowires. <i>Nano Letters</i> , <b>2013</b> , 13, 1559-63	11.5	230
247	Difference between blocking and Néel temperatures in the exchange biased Fe <sub>3</sub> O <sub>4</sub> /CoO system. <i>Physical Review Letters</i> , <b>2000</b> , 84, 6102-5	7.4	215
246	Epitaxy of advanced nanowire quantum devices. <i>Nature</i> , <b>2017</b> , 548, 434-438	50.4	192
245	High-efficiency humidity-stable planar perovskite solar cells based on atomic layer architecture. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 91-100	35.4	184
244	The structure of different phases of pure C70 crystals. <i>Chemical Physics</i> , <b>1992</b> , 166, 287-297	2.3	176
243	Growth kinetics of heterostructured GaP-GaAs nanowires. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 1353-9	16.4	171
242	Epitaxial growth of InP nanowires on germanium. <i>Nature Materials</i> , <b>2004</b> , 3, 769-73	27	168
241	Waveguide Nanowire Superconducting Single-Photon Detectors Fabricated on GaAs and the Study of Their Optical Properties. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2015</b> , 21, 1-10	3.8	157
240	Supported Core/Shell Bimetallic Nanoparticles Synthesis by Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2973-2977	9.6	132
239	Critical review of the current status of thickness measurements for ultrathin SiO <sub>2</sub> on Si Part V: Results of a CCQM pilot study. <i>Surface and Interface Analysis</i> , <b>2004</b> , 36, 1269-1303	1.5	130
238	Interface formation of two- and three-dimensionally bonded materials in the case of GeTe-SbTe superlattices. <i>Nanoscale</i> , <b>2015</b> , 7, 19136-43	7.7	125
237	Direct-bandgap emission from hexagonal Ge and SiGe alloys. <i>Nature</i> , <b>2020</b> , 580, 205-209	50.4	124
236	Controlling the fixed charge and passivation properties of Si(100)/Al <sub>2</sub> O <sub>3</sub> interfaces using ultrathin SiO <sub>2</sub> interlayers synthesized by atomic layer deposition. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 093715	2.5	124

235	Synthesis of InP nanotubes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3440-1	16.4	123
234	Island growth in the atomic layer deposition of zirconium oxide and aluminum oxide on hydrogen-terminated silicon: Growth mode modeling and transmission electron microscopy. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 4878-4889	2.5	121
233	Efficiency enhancement of InP nanowire solar cells by surface cleaning. <i>Nano Letters</i> , <b>2013</b> , 13, 4113-7	11.5	119
232	Hexagonal Silicon Realized. <i>Nano Letters</i> , <b>2015</b> , 15, 5855-60	11.5	118
231	Atomic layer deposition for perovskite solar cells: research status, opportunities and challenges. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 30-55	5.8	114
230	Influence of Oxygen Exposure on the Nucleation of Platinum Atomic Layer Deposition: Consequences for Film Growth, Nanopatterning, and Nanoparticle Synthesis. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1905-1911	9.6	112
229	Position-controlled epitaxial III-V nanowires on silicon. <i>Nanotechnology</i> , <b>2006</b> , 17, S271-S275	3.4	107
228	21.6%-Efficient Monolithic Perovskite/Cu(In,Ga)Se <sub>2</sub> Tandem Solar Cells with Thin Conformal Hole Transport Layers for Integration on Rough Bottom Cell Surfaces. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 583-590	20.1	106
227	Efficient water reduction with gallium phosphide nanowires. <i>Nature Communications</i> , <b>2015</b> , 6, 7824	17.4	106
226	Formation and electronic properties of InSb nanocrosses. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 859-64	28.7	106
225	Ultrahigh Capacitance Density for Multiple ALD-Grown MIM Capacitor Stacks in 3-D Silicon. <i>IEEE Electron Device Letters</i> , <b>2008</b> , 29, 740-742	4.4	104
224	Structural Characterization of Mesoporous Organosilica Films for Ultralow-k Dielectrics. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 4280-4289	3.4	104
223	From InSb nanowires to nanocubes: looking for the sweet spot. <i>Nano Letters</i> , <b>2012</b> , 12, 1794-8	11.5	102
222	Photoelectrochemical hydrogen production on InP nanowire arrays with molybdenum sulfide electrocatalysts. <i>Nano Letters</i> , <b>2014</b> , 14, 3715-9	11.5	100
221	Reversible switching of InP nanowire growth direction by catalyst engineering. <i>Nano Letters</i> , <b>2013</b> , 13, 3802-6	11.5	95
220	Growth and optical properties of axial hybrid III-V/silicon nanowires. <i>Nature Communications</i> , <b>2012</b> , 3, 1266	17.4	92
219	Asymmetric magnetic bubble expansion under in-plane field in Pt/Co/Pt: Effect of interface engineering. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	87
218	The role of surface energies and chemical potential during nanowire growth. <i>Nano Letters</i> , <b>2011</b> , 11, 1259-64	11.5	87

217	Epitaxial Growth of III-V Nanowires on Group IV Substrates. <i>MRS Bulletin</i> , <b>2007</b> , 32, 117-122	3.2	87
216	Surface passivated InAs/InP core/shell nanowires. <i>Semiconductor Science and Technology</i> , <b>2010</b> , 25, 02401.8		85
215	Crystal structure transfer in core/shell nanowires. <i>Nano Letters</i> , <b>2011</b> , 11, 1690-4	11.5	82
214	Three-dimensional morphology of GaP-GaAs nanowires revealed by transmission electron microscopy tomography. <i>Nano Letters</i> , <b>2007</b> , 7, 3051-5	11.5	79
213	Selective excitation and detection of spin states in a single nanowire quantum dot. <i>Nano Letters</i> , <b>2009</b> , 9, 1989-93	11.5	73
212	New orientationally ordered low-temperature superstructure in high-purity C60. <i>Physical Review Letters</i> , <b>1992</b> , 69, 1065-1068	7.4	73
211	Vicinal Si(111) surfaces studied by optical second-harmonic generation: Step-induced anisotropy and surface-bulk discrimination. <i>Physical Review B</i> , <b>1990</b> , 42, 9263-9266	3.3	72
210	Atomic layer deposition of Pd and Pt nanoparticles for catalysis: on the mechanisms of nanoparticle formation. <i>Nanotechnology</i> , <b>2016</b> , 27, 034001	3.4	70
209	Remote p-doping of InAs nanowires. <i>Nano Letters</i> , <b>2007</b> , 7, 1144-8	11.5	70
208	Structural phase transitions in C 70. <i>Europhysics Letters</i> , <b>1993</b> , 21, 329-334	1.6	67
207	Electrical transport and Al doping efficiency in nanoscale ZnO films prepared by atomic layer deposition. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 024308	2.5	64
206	Generic nano-imprint process for fabrication of nanowire arrays. <i>Nanotechnology</i> , <b>2010</b> , 21, 065305	3.4	64
205	Low-temperature plasma-enhanced atomic layer deposition of 2-D MoS: large area, thickness control and tuneable morphology. <i>Nanoscale</i> , <b>2018</b> , 10, 8615-8627	7.7	63
204	Growth and Optical Properties of Direct Band Gap Ge/GeSn Core/Shell Nanowire Arrays. <i>Nano Letters</i> , <b>2017</b> , 17, 1538-1544	11.5	59
203	Tuning Material Properties of Oxides and Nitrides by Substrate Biasing during Plasma-Enhanced Atomic Layer Deposition on Planar and 3D Substrate Topographies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 13158-13180	9.5	59
202	Low-Temperature Plasma-Assisted Atomic-Layer-Deposited SnO as an Electron Transport Layer in Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30367-30378	9.5	59
201	Dynamic reconfiguration of van der Waals gaps within GeTe-SbTe based superlattices. <i>Nanoscale</i> , <b>2017</b> , 9, 8774-8780	7.7	57
200	Revisiting the Local Structure in Ge-Sb-Te based Chalcogenide Superlattices. <i>Scientific Reports</i> , <b>2016</b> , 6, 22353	4.9	57

199	Lattice vibrations in crystalline C70. <i>Physical Review B</i> , <b>1993</b> , 47, 7610-7613	3-3	57
198	Interface study on heterostructured GaP-GaAs nanowires. <i>Nanotechnology</i> , <b>2006</b> , 17, 4010-3	3-4	56
197	Rationally designed single-crystalline nanowire networks. <i>Advanced Materials</i> , <b>2014</b> , 26, 4875-9	24	55
196	Sub-nanometer dimensions control of core/shell nanoparticles prepared by atomic layer deposition. <i>Nanotechnology</i> , <b>2015</b> , 26, 094002	3-4	55
195	Direct-Write Atomic Layer Deposition of High-Quality Pt Nanostructures: Selective Growth Conditions and Seed Layer Requirements. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10788-10798	3-8	53
194	Atomic Layer Deposition of High-Purity Palladium Films from Pd(hfac) <sub>2</sub> and H <sub>2</sub> and O <sub>2</sub> Plasmas. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8702-8711	3-8	52
193	Effective Surface Passivation of InP Nanowires by Atomic-Layer-Deposited AlO with PO Interlayer. <i>Nano Letters</i> , <b>2017</b> , 17, 6287-6294	11.5	52
192	High optical quality single crystal phase wurtzite and zincblende InP nanowires. <i>Nanotechnology</i> , <b>2013</b> , 24, 115705	3-4	50
191	Hexagonal close-packed C60. <i>Chemical Physics Letters</i> , <b>1994</b> , 219, 469-472	2-5	50
190	Low-temperature structure of solid C70. <i>Chemical Physics Letters</i> , <b>1994</b> , 223, 323-328	2-5	50
189	Electrocatalytic activity of atomic layer deposited PtRu catalysts onto N-doped carbon nanotubes. <i>Journal of Catalysis</i> , <b>2014</b> , 311, 481-486	7-3	49
188	Exploring Crystal Phase Switching in GaP Nanowires. <i>Nano Letters</i> , <b>2015</b> , 15, 8062-9	11.5	47
187	Area-Selective Deposition of Ruthenium by Combining Atomic Layer Deposition and Selective Etching. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3878-3882	9.6	46
186	Tuning structural motifs and alloying of bulk immiscible Mo-Cu bimetallic nanoparticles by gas-phase synthesis. <i>Nanoscale</i> , <b>2013</b> , 5, 5375-83	7-7	46
185	Single-Crystalline Hexagonal Silicon-Germanium. <i>Nano Letters</i> , <b>2017</b> , 17, 85-90	11.5	45
184	Atomic stacking and van-der-Waals bonding in GeTe <sub>2</sub> Te <sub>3</sub> superlattices. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 3115-3124	2-5	45
183	Explanation for the leakage current in polycrystalline-silicon thin-film transistors made by Ni-silicide mediated crystallization. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3404-3406	3-4	44
182	Area-Selective Atomic Layer Deposition of ZnO by Area Activation Using Electron Beam-Induced Deposition. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1250-1257	9.6	43

181	Uniform Atomic Layer Deposition of AlO on Graphene by Reversible Hydrogen Plasma Functionalization. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 2090-2100	9.6	42
180	Electron emission from individual nitrogen-doped multi-walled carbon nanotubes. <i>Chemical Physics Letters</i> , <b>2004</b> , 396, 126-130	2.5	42
179	Atomic-layer deposited Nb <sub>2</sub> O <sub>5</sub> as transparent passivating electron contact for c-Si solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2018</b> , 184, 98-104	6.4	41
178	Atomic layer deposition of B-doped ZnO using triisopropyl borate as the boron precursor and comparison with Al-doped ZnO. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3095-3107	7.1	40
177	Plasma-assisted atomic layer deposition of nickel oxide as hole transport layer for hybrid perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12532-12543	7.1	40
176	Paired twins and [112] morphology in GaP nanowires. <i>Nano Letters</i> , <b>2010</b> , 10, 2349-56	11.5	39
175	Zinc incorporation via the vapor-liquid-solid mechanism into InP nanowires. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4578-9	16.4	38
174	Position-controlled [100] InP nanowire arrays. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 053107	3.4	37
173	Boosting Hole Mobility in Coherently Strained [110]-Oriented Ge-Si Core-Shell Nanowires. <i>Nano Letters</i> , <b>2017</b> , 17, 2259-2264	11.5	36
172	Edge-Site Nanoengineering of WS by Low-Temperature Plasma-Enhanced Atomic Layer Deposition for Electrocatalytic Hydrogen Evolution. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 5104-5115	9.6	35
171	Ultrahigh throughput plasma processing of free standing silicon nanocrystals with lognormal size distribution. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 134306	2.5	35
170	Atomic layer deposition of high-mobility hydrogen-doped zinc oxide. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 173, 111-119	6.4	34
169	Real time in situ spectroscopic ellipsometry of the growth and plasmonic properties of Au nanoparticles on SiO <sub>2</sub> . <i>Nano Research</i> , <b>2012</b> , 5, 513-520	10	34
168	Encapsulation method for atom probe tomography analysis of nanoparticles. <i>Ultramicroscopy</i> , <b>2015</b> , 159 Pt 2, 420-6	3.1	33
167	Physical and Chemical Defects in WO <sub>3</sub> Thin Films and Their Impact on Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 5887-5895	6.1	33
166	Orientation-dependent optical-polarization properties of single quantum dots in nanowires. <i>Small</i> , <b>2009</b> , 5, 2134-8	11	30
165	Detection of the Presence of Gold Nanoparticles in Organs by Transmission Electron Microscopy. <i>Materials</i> , <b>2010</b> , 3, 4681-4694	3.5	29
164	Boosting the Performance of WO <sub>3</sub> /n-Si Heterostructures for Photoelectrochemical Water Splitting: from the Role of Si to Interface Engineering. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900940	21.8	28

163	Large area, patterned growth of 2D MoS and lateral MoS-WS heterostructures for nano- and opto-electronic applications. <i>Nanotechnology</i> , <b>2020</b> , 31, 255603	3.4	28
162	Low-temperature diffusion of high-concentration phosphorus in silicon, a preferential movement toward the surface. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 081917	3.4	28
161	Chemical Analysis of the Interface between Hybrid Organic-Inorganic Perovskite and Atomic Layer Deposited AlO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 5526-5535	9.5	28
160	Atomic Layer Deposition of Highly Transparent Platinum Counter Electrodes for Metal/Polymer Flexible Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300831	21.8	26
159	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	26
158	Low resistivity HfNx grown by plasma-assisted ALD with external rf substrate biasing. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3917-3926	7.1	25
157	HfSiO <sub>4</sub> Dielectric Layers Deposited by ALD Using HfCl <sub>4</sub> and NH <sub>2</sub> (CH <sub>2</sub> ) <sub>3</sub> Si(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> Precursors. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, C716	3.9	25
156	Area-Selective Atomic Layer Deposition of Two-Dimensional WS Nanolayers <b>2020</b> , 2, 511-518		24
155	Critical strain for Sn incorporation into spontaneously graded Ge/GeSn core/shell nanowires. <i>Nanoscale</i> , <b>2018</b> , 10, 7250-7256	7.7	24
154	Electrically conductive coatings consisting of Ag-decorated cellulose nanocrystals. <i>Cellulose</i> , <b>2017</b> , 24, 2191-2204	5.5	23
153	Crystal Phase Quantum Well Emission with Digital Control. <i>Nano Letters</i> , <b>2017</b> , 17, 6062-6068	11.5	23
152	Nitrogen-doping of bulk and nanotubular TiO <sub>2</sub> photocatalysts by plasma-assisted atomic layer deposition. <i>Applied Surface Science</i> , <b>2015</b> , 330, 476-486	6.7	23
151	In situ transmission electron microscopy analysis of electron beam induced crystallization of amorphous marks in phase-change materials. <i>Journal of Applied Physics</i> , <b>2004</b> , 96, 3193-3198	2.5	23
150	Towards the implementation of atomic layer deposited In <sub>2</sub> O <sub>3</sub> :H in silicon heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 163, 43-50	6.4	22
149	Formation of wurtzite InP nanowires explained by liquid-ordering. <i>Nano Letters</i> , <b>2011</b> , 11, 44-8	11.5	21
148	Area-Selective Atomic Layer Deposition of TiN Using Aromatic Inhibitor Molecules for Metal/Dielectric Selectivity. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7788-7795	9.6	21
147	Isotropic Atomic Layer Etching of ZnO Using Acetylacetone and O Plasma. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 38588-38595	9.5	21
146	Cracking the Si Shell Growth in Hexagonal GaP-Si Core-Shell Nanowires. <i>Nano Letters</i> , <b>2015</b> , 15, 2974-9	11.5	20



145	Surface Fluorination of ALD TiO <sub>2</sub> Electron Transport Layer for Efficient Planar Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701456	4.6	20
144	Quantitative prediction of junction leakage in bulk-technology CMOS devices. <i>Solid-State Electronics</i> , <b>2010</b> , 54, 243-251	1.7	20
143	On the solid phase crystallization of In <sub>2</sub> O <sub>3</sub> :H transparent conductive oxide films prepared by atomic layer deposition. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 085314	2.5	20
142	Atomic layer deposition of HfO <sub>2</sub> using HfCp(NMe <sub>2</sub> ) <sub>3</sub> and O <sub>2</sub> plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2017</b> , 35, 01B130	2.9	19
141	Improved structural and electrical properties in native Sb <sub>2</sub> Te <sub>3</sub> /Ge <sub>x</sub> Sb <sub>2</sub> Te <sub>3+x</sub> van der Waals superlattices due to intermixing mitigation. <i>APL Materials</i> , <b>2017</b> , 5, 026107	5.7	19
140	Phonon Engineering in Twinning Superlattice Nanowires. <i>Nano Letters</i> , <b>2019</b> , 19, 4702-4711	11.5	19
139	High Mobility Stemless InSb Nanowires. <i>Nano Letters</i> , <b>2019</b> , 19, 3575-3582	11.5	18
138	Sunlight-Fueled, Low-Temperature Ru-Catalyzed Conversion of CO and H to CH with a High Photon-to-Methane Efficiency. <i>ACS Omega</i> , <b>2019</b> , 4, 7369-7377	3.9	18
137	In-plane selective area InSb/Al nanowire quantum networks. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	18
136	Dopant Distribution in Atomic Layer Deposited ZnO:Al Films Visualized by Transmission Electron Microscopy and Atom Probe Tomography. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1209-1217	9.6	18
135	Direct measurement of the near-field super resolved focused spot in InSb. <i>Optics Express</i> , <b>2012</b> , 20, 10426-10437	5.37	18
134	Structures and phase transitions in C <sub>60</sub> and C <sub>70</sub> fullerites. <i>Ultramicroscopy</i> , <b>1993</b> , 51, 168-188	3.1	18
133	Understanding the Film Formation Kinetics of Sequential Deposited Narrow-Bandgap PbSn Hybrid Perovskite Films. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000566	21.8	18
132	Highly porous, ultra-low refractive index coatings produced through random packing of silicated cellulose nanocrystals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 487, 1-8	5.1	17
131	Ballistic Phonons in Ultrathin Nanowires. <i>Nano Letters</i> , <b>2020</b> , 20, 2703-2709	11.5	17
130	Glucose-functionalized polystyrene particles designed for selective deposition of silver on the surface. <i>RSC Advances</i> , <b>2014</b> , 4, 62878-62881	3.7	17
129	Enhanced field-driven domain-wall motion in Pt/Co <sub>68</sub> B <sub>32</sub> /Pt strips. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 132502	3.4	17
128	Pseudodirect to Direct Compositional Crossover in Wurtzite GaP/InGaP Core-Shell Nanowires. <i>Nano Letters</i> , <b>2016</b> , 16, 7930-7936	11.5	17



127	Surface Infrared Spectroscopy during Low Temperature Growth of Supported Pt Nanoparticles by Atomic Layer Deposition. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 750-755	3.8	16
126	Bottom-Up Grown 2D InSb Nanostructures. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808181	24	16
125	Plasma-assisted atomic layer deposition of conformal Pt films in high aspect ratio trenches. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 052818	3.9	15
124	The competing roles of i-ZnO in Cu(In,Ga)Se <sub>2</sub> solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2016</b> , 157, 798-807	6.4	15
123	Ordered Peierls distortion prevented at growth onset of GeTe ultra-thin films. <i>Scientific Reports</i> , <b>2016</b> , 6, 32895	4.9	15
122	Low-Temperature Phase-Controlled Synthesis of Titanium Di- and Tri-sulfide by Atomic Layer Deposition. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 9354-9362	9.6	15
121	The Influence of Particle Size Distribution and Shell Imperfections on the Plasmon Resonance of Au and Ag Nanoshells. <i>Plasmonics</i> , <b>2017</b> , 12, 929-945	2.4	15
120	Atomic layer deposition of highly dispersed Pt nanoparticles on a high surface area electrode backbone for electrochemical promotion of catalysis. <i>Electrochemistry Communications</i> , <b>2017</b> , 84, 40-44	5.1	14
119	Strain engineering in Ge/GeSn core/shell nanowires. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 113102	3.4	14
118	Efficient Green Emission from Wurtzite Al InP Nanowires. <i>Nano Letters</i> , <b>2018</b> , 18, 3543-3549	11.5	14
117	Zirconia thin film preparation by wet chemical methods at low temperature. <i>Thin Solid Films</i> , <b>2010</b> , 519, 630-634	2.2	14
116	Probing the Origin and Suppression of Vertically Oriented Nanostructures of 2D WS Layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3873-3885	9.5	14
115	Spin-Orbit Interaction and Induced Superconductivity in a One-Dimensional Hole Gas. <i>Nano Letters</i> , <b>2018</b> , 18, 6483-6488	11.5	14
114	ScAlN nanowires: A cathodoluminescence study. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 3147-3151	1.6	13
113	Parity-preserving and magnetic field-resilient superconductivity in InSb nanowires with Sn shells. <i>Science</i> , <b>2021</b> , 372, 508-511	33.3	13
112	Strong reduction of spectral heterogeneity in gold bipyramids for single-particle and single-molecule plasmon sensing. <i>Nanotechnology</i> , <b>2016</b> , 27, 024001	3.4	13
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