

Young Hee Lee

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

147
papers

21,108
citations

66
h-index

145
g-index

153
ext. papers

23,564
ext. citations

10.9
avg, IF

6.84
L-index

#	Paper	IF	Citations
147	Locally enhanced light-matter interaction of MoS ₂ monolayers at density-controllable nanogrooves of template-stripped Ag films. <i>Current Applied Physics</i> , 2022 , 33, 59-65	2.6	3
146	Large-scale synthesis of graphene and other 2D materials towards industrialization.. <i>Nature Communications</i> , 2022 , 13, 1484	17.4	8
145	Selective Pattern Growth of Atomically Thin MoSe Films via a Surface-Mediated Liquid-Phase Promoter. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18056-18064	9.5	3
144	Simultaneous enhancement of specific capacitance and potential window of graphene-based electric double-layer capacitors using ferroelectric polymers. <i>Journal of Power Sources</i> , 2021 , 507, 230268	8.9	1
143	Evidence of shallow band gap in ultrathin 1T ₂ MoTe ₂ via infrared spectroscopy. <i>Physical Review B</i> , 2020 , 101,	3.3	2
142	Tailoring Domain Morphology in Monolayer NbSe and WNbSe Heterostructure. <i>ACS Nano</i> , 2020 , 14, 8784-8792	13	13
141	Transfer assembly for two-dimensional van der Waals heterostructures. <i>2D Materials</i> , 2020 , 7, 022005	5.9	54
140	Ultrashort Vertical-Channel van der Waals Semiconductor Transistors. <i>Advanced Science</i> , 2020 , 7, 1902964	6.6	10
139	Coulomb drag transistor using a graphene and MoS ₂ heterostructure. <i>Communications Physics</i> , 2020 , 3,	5.4	5
138	Bandgap Renormalization in Monolayer MoS ₂ on CsPbBr ₃ Quantum Dots via Charge Transfer at Room Temperature. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000835	4.6	4
137	Bandgap engineering of two-dimensional semiconductor materials. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	152
136	Li Intercalation Effects on Interface Resistances of High-Speed and Low-Power WSe ₂ Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2020 , 30, 2003688	15.6	4
135	Efficient Gate Modulation in a Screening-Engineered MoS/Single-Walled Carbon Nanotube Network Heterojunction Vertical Field-Effect Transistor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25516-25523	9.5	12
134	Semimetallic Graphene for Infrared Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19565-19574	5.1	6
133	Hybrid catalyst with monoclinic MoTe ₂ and platinum for efficient hydrogen evolution. <i>APL Materials</i> , 2019 , 7, 071118	5.7	15
132	Fast-Charging High-Energy Battery-Supercapacitor Hybrid: Anodic Reduced Graphene Oxide-Vanadium(IV) Oxide Sheet-on-Sheet Heterostructure. <i>ACS Nano</i> , 2019 , 13, 10776-10786	16.7	63
131	Misorientation-Angle-Dependent Phase Transformation in van der Waals Multilayers via Electron-Beam Irradiation. <i>Advanced Materials</i> , 2018 , 30, e1706864	24	4

130	High energy density and enhanced stability of asymmetric supercapacitors with mesoporous MnO ₂ @CNT and nanodot MoO ₃ @CNT free-standing films. <i>Energy Storage Materials</i> , 2018 , 12, 223-231	19.4	102
129	Redox-Driven Route for Widening Voltage Window in Asymmetric Supercapacitor. <i>ACS Nano</i> , 2018 , 12, 8494-8505	16.7	117
128	Plasma-Induced Phase Transformation of SnS to SnS. <i>Scientific Reports</i> , 2018 , 8, 10284	4.9	22
127	Highly fluidic liquid at homointerface generates grain-boundary dislocation arrays for high-performance bulk thermoelectrics. <i>Acta Materialia</i> , 2018 , 159, 266-275	8.4	13
126	Superconductivity in Te-deficient polymorphic MoTe ₂ and its derivatives: rich structural and electronic phase transitions. <i>2D Materials</i> , 2018 , 5, 031014	5.9	5
125	van der Waals Metallic Transition Metal Dichalcogenides. <i>Chemical Reviews</i> , 2018 , 118, 6297-6336	68.1	143
124	Recent development of two-dimensional transition metal dichalcogenides and their applications. <i>Materials Today</i> , 2017 , 20, 116-130	21.8	1250
123	Active hydrogen evolution through lattice distortion in metallic MoTe ₂ . <i>2D Materials</i> , 2017 , 4, 025061	5.9	81
122	Long-Range Lattice Engineering of MoTe ₂ by a 2D Electride. <i>Nano Letters</i> , 2017 , 17, 3363-3368	11.5	56
121	Te vacancy-driven superconductivity in orthorhombic molybdenum ditelluride. <i>2D Materials</i> , 2017 , 4, 021030	5.9	30
120	Probing Bilayer Grain Boundaries in Large-Area Graphene with Tip-Enhanced Raman Spectroscopy. <i>Advanced Materials</i> , 2017 , 29, 1603601	24	25
119	Graphene Substrate for van der Waals Epitaxy of Layer-Structured Bismuth Antimony Telluride Thermoelectric Film. <i>Advanced Materials</i> , 2017 , 29, 1604899	24	28
118	A High-On/Off-Ratio Floating-Gate Memristor Array on a Flexible Substrate via CVD-Grown Large-Area 2D Layer Stacking. <i>Advanced Materials</i> , 2017 , 29, 1703363	24	68
117	Structural and quantum-state phase transitions in van der Waals layered materials. <i>Nature Physics</i> , 2017 , 13, 931-937	16.2	187
116	van der Waals Layered Materials: Opportunities and Challenges. <i>ACS Nano</i> , 2017 , 11, 11803-11830	16.7	258
115	Chain Vacancies in 2D Crystals. <i>Small</i> , 2017 , 13, 1601930	11	15
114	Telluriding monolayer MoS ₂ and WS ₂ via alkali metal sputter. <i>Nature Communications</i> , 2017 , 8, 2163	17.4	59
113	Hyperdislocations in van der Waals Layered Materials. <i>Nano Letters</i> , 2016 , 16, 7807-7813	11.5	7

112	Pressure-dependent heat transfer at multilayer graphene and gas interface. <i>Current Applied Physics</i> , 2016 , 16, 1236-1241	2.6	6
111	Oxidation Effect in Octahedral Hafnium Disulfide Thin Film. <i>ACS Nano</i> , 2016 , 10, 1309-16	16.7	80
110	Chemically Conjugated Carbon Nanotubes and Graphene for Carrier Modulation. <i>Accounts of Chemical Research</i> , 2016 , 49, 390-9	24.3	27
109	Room Temperature Semiconductor-Metal Transition of MoTe ₂ Thin Films Engineered by Strain. <i>Nano Letters</i> , 2016 , 16, 188-93	11.5	289
108	Tailoring photoluminescence of monolayer transition metal dichalcogenides. <i>Current Applied Physics</i> , 2016 , 16, 1159-1174	2.6	23
107	High thermoelectric performance of Bi-Te alloy: Defect engineering strategy. <i>Current Applied Physics</i> , 2016 , 16, 1202-1215	2.6	27
106	Absorption dichroism of monolayer 1T'-MoTe ₂ in visible range. <i>2D Materials</i> , 2016 , 3, 031010	5.9	28
105	Stranski-Krastanov and Volmer-Weber CVD Growth Regimes To Control the Stacking Order in Bilayer Graphene. <i>Nano Letters</i> , 2016 , 16, 6403-6410	11.5	73
104	Room-temperature hydrogen storage via two-dimensional potential well in mesoporous graphene oxide. <i>Nano Energy</i> , 2016 , 27, 402-411	17.1	26
103	Preparation and properties of waterborne polyurethane/self-cross-linkable fluorinated acrylic copolymer hybrid emulsions using a solvent/emulsifier-free method. <i>Colloid and Polymer Science</i> , 2015 , 293, 1369-1382	2.4	16
102	Leaf Vein-Inspired Nanochanneled Graphene Film for Highly Efficient Micro-Supercapacitors. <i>Advanced Energy Materials</i> , 2015 , 5, 1500003	21.8	65
101	DEVICE TECHNOLOGY. Phase patterning for ohmic homojunction contact in MoTe ₂ . <i>Science</i> , 2015 , 349, 625-8	33.3	679
100	High-performance n-type black phosphorus transistors with type control via thickness and contact-metal engineering. <i>Nature Communications</i> , 2015 , 6, 7809	17.4	192
99	Thermoelectrics. Dense dislocation arrays embedded in grain boundaries for high-performance bulk thermoelectrics. <i>Science</i> , 2015 , 348, 109-14	33.3	1163
98	Bandgap opening in few-layered monoclinic MoTe ₂ . <i>Nature Physics</i> , 2015 , 11, 482-486	16.2	596
97	Towards Wafer-Scale Monocrystalline Graphene Growth and Characterization. <i>Small</i> , 2015 , 11, 3512-28	11	46
96	Synthesis of large-area multilayer hexagonal boron nitride for high material performance. <i>Nature Communications</i> , 2015 , 6, 8662	17.4	298
95	Chemically Modulated Band Gap in Bilayer Graphene Memory Transistors with High On/Off Ratio. <i>ACS Nano</i> , 2015 , 9, 9034-42	16.7	46

94	Sensitive photo-thermal response of graphene oxide for mid-infrared detection. <i>Nanoscale</i> , 2015 , 7, 15695-70040		
93	Direct growth of etch pit-free GaN crystals on few-layer graphene. <i>RSC Advances</i> , 2015 , 5, 1343-1349	3.7	42
92	Carbon-Based Materials for Lithium-Ion Batteries, Electrochemical Capacitors, and Their Hybrid Devices. <i>ChemSusChem</i> , 2015 , 8, 2284-311	8.3	181
91	Phase-Engineered Synthesis of Centimeter-Scale 1T and 2H-Molybdenum Ditelluride Thin Films. <i>ACS Nano</i> , 2015 , 9, 6548-54	16.7	180
90	Seeded growth of highly crystalline molybdenum disulphide monolayers at controlled locations. <i>Nature Communications</i> , 2015 , 6, 6128	17.4	229
89	Significant enhancement of the electrical transport properties of graphene films by controlling the surface roughness of Cu foils before and during chemical vapor deposition. <i>Nanoscale</i> , 2014 , 6, 12943-51	7.7	35
88	Transition from direct to Fowler-Nordheim tunneling in chemically reduced graphene oxide film. <i>Nanoscale</i> , 2014 , 6, 3410-7	7.7	24
87	Large-area monolayer hexagonal boron nitride on Pt foil. <i>ACS Nano</i> , 2014 , 8, 8520-8	16.7	160
86	Carbon nanotubes and graphene towards soft electronics. <i>Nano Convergence</i> , 2014 , 1, 15	9.2	81
85	Synthesis and surface properties of self-crosslinking core-shell acrylic copolymer emulsions containing fluorine/silicone in the shell. <i>Colloid and Polymer Science</i> , 2014 , 292, 173-183	2.4	19
84	Asymmetric Supercapacitors Based on Graphene/MnO ₂ Nanospheres and Graphene/MoO ₃ Nanosheets with High Energy Density. <i>Advanced Functional Materials</i> , 2013 , 23, 5074-5083	15.6	551
83	Improved photovoltaic effects in InGaN-based multiple quantum well solar cell with graphene on indium tin oxide nanodot nodes for transparent and current spreading electrode. <i>Applied Physics Letters</i> , 2013 , 102, 031116	3.4	11
82	Nondestructive Characterization of Graphene Defects. <i>Advanced Functional Materials</i> , 2013 , 23, 5183-5189	9.6	38
81	Coaxial fiber supercapacitor using all-carbon material electrodes. <i>ACS Nano</i> , 2013 , 7, 5940-7	16.7	452
80	TLM-PSD model for optimization of energy and power density of vertically aligned carbon nanotube supercapacitor. <i>Scientific Reports</i> , 2013 , 3, 2939	4.9	40
79	Diffusion mechanism of lithium ion through basal plane of layered graphene. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8646-54	16.4	294
78	Solution-Processed Graphite Membrane from Reassembled Graphene Oxide. <i>Chemistry of Materials</i> , 2012 , 24, 594-599	9.6	77
77	Synthesis of multilayer graphene balls by carbon segregation from nickel nanoparticles. <i>ACS Nano</i> , 2012 , 6, 6803-11	16.7	145

76	Gate-controlled nonlinear conductivity of Dirac fermion in graphene field-effect transistors measured by terahertz time-domain spectroscopy. <i>Nano Letters</i> , 2012 , 12, 551-5	11.5	142
75	Probing graphene grain boundaries with optical microscopy. <i>Nature</i> , 2012 , 490, 235-9	50.4	307
74	Carbon-based electrochemical capacitors. <i>ChemSusChem</i> , 2012 , 5, 480-99	8.3	436
73	Laser thinning for monolayer graphene formation: heat sink and interference effect. <i>ACS Nano</i> , 2011 , 5, 263-8	16.7	80
72	POLY(ETHYLENE CO-VINYL ACETATE)-ASSISTED ONE-STEP TRANSFER OF ULTRA-LARGE GRAPHENE. <i>Nano</i> , 2011 , 06, 59-65	1.1	31
71	Influence of copper morphology in forming nucleation seeds for graphene growth. <i>Nano Letters</i> , 2011 , 11, 4144-8	11.5	332
70	High Pseudocapacitance from Ultrathin V2O5 Films Electrodeposited on Self-Standing Carbon-Nanofiber Paper. <i>Advanced Functional Materials</i> , 2011 , 21, 2541-2547	15.6	190
69	Facile Physical Route to Highly Crystalline Graphene. <i>Advanced Functional Materials</i> , 2011 , 21, 3496-3501	15.6	84
68	Graphene Versus Carbon Nanotubes in Electronic Devices. <i>Advanced Functional Materials</i> , 2011 , 21, 3806-3826	19.3	194
67	Transfer-free growth of few-layer graphene by self-assembled monolayers. <i>Advanced Materials</i> , 2011 , 23, 4392-7	24	75
66	Synthesis of few-layered graphene by ion implantation of carbon in nickel thin films. <i>Nanotechnology</i> , 2011 , 22, 085601	3.4	72
65	The control of neural cell-to-cell interactions through non-contact electrical field stimulation using graphene electrodes. <i>Biomaterials</i> , 2011 , 32, 19-27	15.6	173
64	Low-temperature graphene growth using epochal catalyst of PdCo alloy. <i>Applied Physics Letters</i> , 2011 , 99, 223102	3.4	9
63	Enhanced Light Output Power of GaN Light-Emitting Diodes with Graphene Film as a Transparent Conducting Electrode. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 125103	1.4	5
62	UV-LIGHT-ASSISTED OXIDATIVE sp ³ HYBRIDIZATION OF GRAPHENE. <i>Nano</i> , 2011 , 06, 409-418	1.1	36
61	Enhanced Light Output Power of GaN Light-Emitting Diodes with Graphene Film as a Transparent Conducting Electrode. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 125103	1.4	11
60	ADHESION TEST OF CARBON NANOTUBE FILM COATED ONTO TRANSPARENT CONDUCTING SUBSTRATES. <i>Nano</i> , 2010 , 05, 133-138	1.1	17
59	Graphene/Substrate Charge Transfer Characterized by Inverse Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21618-21624	3.8	58

58	Synthesis and systematic characterization of functionalized graphene sheets generated by thermal exfoliation at low temperature. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 275402	3	85
57	Transparent organic p-dopant in carbon nanotubes: bis(trifluoromethanesulfonyl)imide. <i>ACS Nano</i> , 2010 , 4, 6998-7004	16.7	51
56	Ultramicropore formation in PAN/camphor-based carbon nanofiber paper. <i>Chemical Communications</i> , 2010 , 46, 1320-2	5.8	31
55	Breaking AB stacking order in graphite oxide: ab initio approach. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1595-9	3.6	21
54	Layer-by-layer doping of few-layer graphene film. <i>ACS Nano</i> , 2010 , 4, 4595-600	16.7	268
53	Enhancing the conductivity of transparent graphene films via doping. <i>Nanotechnology</i> , 2010 , 21, 285205	3.4	301
52	Doping strategy of carbon nanotubes with redox chemistry. <i>New Journal of Chemistry</i> , 2010 , 34, 2183	3.6	51
51	Control of electronic structure of graphene by various dopants and their effects on a nanogenerator. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15603-9	16.4	223
50	Enhanced electric double layer capacitance of graphite oxide intercalated by poly(sodium 4-styrenesulfonate) with high cycle stability. <i>ACS Nano</i> , 2010 , 4, 1162-6	16.7	120
49	Carbon nanotube doping mechanism in a salt solution and hygroscopic effect: density functional theory. <i>ACS Nano</i> , 2010 , 4, 5430-6	16.7	27
48	Fully rollable transparent nanogenerators based on graphene electrodes. <i>Advanced Materials</i> , 2010 , 22, 2187-92	24	258
47	Hydrogen storage in microwave-treated multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 2073-2082	6.7	26
46	Modification of the electronic structures of graphene by viologen. <i>Chemical Physics Letters</i> , 2010 , 498, 168-171	2.5	32
45	LARGE-AREA GRAPHENE-BASED FLEXIBLE TRANSPARENT CONDUCTING FILMS. <i>Nano</i> , 2009 , 04, 83-90	1.1	47
44	Synthesis of large-area graphene layers on nickel film by chemical vapor deposition: wrinkle formation 2009 ,		3
43	Efficient Reduction of Graphite Oxide by Sodium Borohydride and Its Effect on Electrical Conductance. <i>Advanced Functional Materials</i> , 2009 , 19, 1987-1992	15.6	1831
42	Synthesis of Large-Area Graphene Layers on Poly-Nickel Substrate by Chemical Vapor Deposition: Wrinkle Formation. <i>Advanced Materials</i> , 2009 , 21, 2328-2333	24	766
41	A comparative study of the structural, electronic, and vibrational properties of NH ₃ BH ₃ and LiNH ₂ BH ₃ : theory and experiment. <i>ChemPhysChem</i> , 2009 , 10, 1825-33	3.2	37

40	Control of p-doping on single-walled carbon nanotubes with nitronium hexafluoroantimonate in liquid phase. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2419-2422	1.3	7
39	Thermal stability of graphite oxide. <i>Chemical Physics Letters</i> , 2009 , 470, 255-258	2.5	366
38	Structural Stability and Variable Dielectric Constant in Poly Sodium 4-Styrenesulfonate Intercalated Graphite Oxide. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 13060-13064	3.8	57
37	Graphene oxide thin film field effect transistors without reduction. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 135109	3	83
36	Exfoliation of Single-Walled Carbon Nanotubes Induced by the Structural Effect of Perylene Derivatives and Their Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15267-15273 ^{3.8}	3.8	29
35	Evidence of graphitic AB stacking order of graphite oxides. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1362-6	16.4	914
34	Selective oxidation on metallic carbon nanotubes by halogen oxoanions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2610-6	16.4	37
33	Fermi level engineering of single-walled carbon nanotubes by AuCl ₃ doping. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12757-61	16.4	215
32	Tailoring electronic structures of carbon nanotubes by solvent with electron-donating and -withdrawing groups. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2062-6	16.4	153
31	ATOMIC HYDROGEN-DRIVEN SIZE CONTROL OF CATALYTIC NANOPARTICLES FOR SINGLE-WALLED CARBON NANOTUBE GROWTH. <i>Nano</i> , 2008 , 03, 145-153	1.1	12
30	Recent progress in carbon nanotube-based flexible transparent conducting film 2008 ,		2
29	Absorption spectroscopy of surfactant-dispersed carbon nanotube film: Modulation of electronic structures. <i>Chemical Physics Letters</i> , 2008 , 455, 275-278	2.5	116
28	Unoccupied electronic states in graphite oxides. <i>Chemical Physics Letters</i> , 2008 , 460, 499-502	2.5	79
27	Doping and de-doping of carbon nanotube transparent conducting films by dispersant and chemical treatment. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1261		119
26	Transparent Conducting Films by Using Carbon Nanotubes 2008 , 15-28		3
25	Effect of acid treatment on carbon nanotube-based flexible transparent conducting films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 7758-9	16.4	804
24	Dual quartz crystal microbalance for hydrogen storage in carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 3442-3447	6.7	18
23	DEPENDENCE OF MATERIAL QUALITY ON PERFORMANCE OF FLEXIBLE TRANSPARENT CONDUCTING FILMS WITH SINGLE-WALLED CARBON NANOTUBES. <i>Nano</i> , 2007 , 02, 157-167	1.1	40

22	Adsorption of atomic hydrogen on single-walled carbon nanotubes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8967-72	3.4	58
21	Nickel oxide/carbon nanotubes nanocomposite for electrochemical capacitance. <i>Synthetic Metals</i> , 2005 , 150, 153-157	3.6	207
20	Intercalant-induced superbundle formation of single-wall carbon nanotubes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 10004-8	3.4	7
19	Anisotropic electrical conductivity of MWCNT/PAN nanofiber paper. <i>Chemical Physics Letters</i> , 2005 , 413, 188-193	2.5	184
18	Fabrication of Supercapacitor Electrodes Using Fluorinated Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8812-8815	3.4	78
17	Low pressure synthesis of single-walled carbon nanotubes by arc discharge. <i>Synthetic Metals</i> , 2002 , 126, 245-251	3.6	66
16	High-Capacitance Supercapacitor Using a Nanocomposite Electrode of Single-Walled Carbon Nanotube and Polypyrrole. <i>Journal of the Electrochemical Society</i> , 2002 , 149, A1058	3.9	368
15	Hydrogen insertion and extraction mechanism in single-walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	1
14	Adsorption of NH ₃ and NO ₂ molecules on carbon nanotubes. <i>Applied Physics Letters</i> , 2001 , 79, 3863-3865	3.4	358
13	High-Yield Purification Process of Singlewalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 5677-5681	3.4	230
12	A hydrogen storage mechanism in single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5059-63	16.4	210
11	Hydrogen storage in single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2000 , 76, 2877-2879	3.4	323
10	Controlling the diameter, growth rate, and density of vertically aligned carbon nanotubes synthesized by microwave plasma-enhanced chemical vapor deposition. <i>Applied Physics Letters</i> , 2000 , 76, 2367-2369	3.4	223
9	Defect-Induced Oxidation of Graphite. <i>Physical Review Letters</i> , 1999 , 82, 217-220	7.4	170
8	Gan Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 537, 1		
7	Structural Relaxation of Vacancies in Amorphous Silicon. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 467, 555		2
6	Solid-state interdiffusion mechanism in strained Si _{1-x} Ge _x /Si heterostructures. <i>Journal of Solid State Electrochemistry</i> , 1997 , 1, 221-226	2.6	1
5	Surfactant-Mediated Si/Ge Epitaxial Crystal Growth. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 448, 135		1

- 4 Thermal Oxynitridation of Silicon in N₂O Ambients. *Journal of the Electrochemical Society*, **1996**, 143, 3372-3376 3.9 7
- 3 Temperature-dependent critical layer thickness for strained-layer heterostructures. *Applied Physics Letters*, **1995**, 67, 2212-2214 3.4 19
- 2 Phase separation of Si_{1-x}Ge_x alloys. *Materials Research Society Symposia Proceedings*, **1995**, 378, 1031 2
- 1 Emergent Multifunctional Magnetic Proximity in van der Waals Layered Heterostructures. *Advanced Science*, 2200186 13.6 2