

# Tony F Heinz

## 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.

283 papers	64,347 citations	108 h-index	253 g-index
327 ext. papers	72,813 ext. citations	10.1 avg, IF	7.91 L-index

#	Paper	IF	Citations
283	Ultrahigh-Quality Infrared Polaritonic Resonators Based on Bottom-Up-Synthesized van der Waals Nanoribbons.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	3
282	Excitons in strained and suspended monolayer WSe <sub>2</sub> . <i>2D Materials</i> , <b>2022</b> , 9, 015002	5.9	3
281	Structure of the moiré exciton captured by imaging its electron and hole.. <i>Nature</i> , <b>2022</b> , 603, 247-252	50.4	3
280	Optical absorption of interlayer excitons in transition-metal dichalcogenide heterostructures.. <i>Science</i> , <b>2022</b> , 376, 406-410	33.3	7
279	All-Optical Probe of Three-Dimensional Topological Insulators Based on High-Harmonic Generation by Circularly Polarized Laser Fields. <i>Nano Letters</i> , <b>2021</b> , 21, 8970-8978	11.5	8
278	Site-Controlled Quantum Emitters in Monolayer MoSe. <i>Nano Letters</i> , <b>2021</b> , 21, 2376-2381	11.5	10
277	Enhanced nonlinear interaction of polaritons via excitonic Rydberg states in monolayer WSe. <i>Nature Communications</i> , <b>2021</b> , 12, 2269	17.4	13
276	Experimental measurement of the intrinsic excitonic wave function. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	14
275	High-Performance p-n Junction Transition Metal Dichalcogenide Photovoltaic Cells Enabled by MoO Doping and Passivation. <i>Nano Letters</i> , <b>2021</b> , 21, 3443-3450	11.5	5
274	Signatures of moiré trions in WSe/MoSe heterobilayers. <i>Nature</i> , <b>2021</b> , 594, 46-50	50.4	17
273	Ultrafast Adsorbate Excitation Probed with Subpicosecond-Resolution X-Ray Absorption Spectroscopy. <i>Physical Review Letters</i> , <b>2021</b> , 127, 016802	7.4	3
272	Light Absorption and Emission Dominated by Trions in the Type-I van der Waals Heterostructures. <i>ACS Photonics</i> , <b>2021</b> , 8, 1972-1978	6.3	2
271	Carrier-specific dynamics in 2H-MoTe observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. <i>Structural Dynamics</i> , <b>2021</b> , 8, 014501	3.2	5
270	Polarization Flipping of Even-Order Harmonics in Monolayer Transition-Metal Dichalcogenides. <i>Ultrafast Science</i> , <b>2021</b> , 2021, 1-9		12
269	Hot carrier transport limits the displacive excitation of coherent phonons in bismuth. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 091601	3.4	0
268	Strained bilayer WSe <sub>2</sub> with reduced exciton-phonon coupling. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	12
267	Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-Rays. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002282	15.6	7

266	Revealing multiple classes of stable quantum emitters in hexagonal boron nitride with correlated optical and electron microscopy. <i>Nature Materials</i> , <b>2020</b> , 19, 534-539	27	68
265	Retarded Charge-Carrier Recombination in Photoelectrochemical Cells from Plasmon-Induced Resonance Energy Transfer. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000570	21.8	22
264	High-resolution optical micro-spectroscopy extending from the near-infrared to the vacuum-ultraviolet. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 073107	1.7	
263	Directly visualizing the momentum-forbidden dark excitons and their dynamics in atomically thin semiconductors. <i>Science</i> , <b>2020</b> , 370, 1199-1204	33.3	55
262	Thermal Boundary Conductance: Visualizing Energy Transfer at Buried Interfaces in Layered Materials Using Picosecond X-Rays (Adv. Funct. Mater. 34/2020). <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2070232	15.6	1
261	Zeeman-Induced Valley-Sensitive Photocurrent in Monolayer MoS <sub>2</sub> . <i>Physical Review Letters</i> , <b>2019</b> , 122, 127401	7.4	14
260	Anisotropic structural dynamics of monolayer crystals revealed by femtosecond surface X-ray scattering. <i>Nature Photonics</i> , <b>2019</b> , 13, 425-430	33.9	19
259	Recording interfacial currents on the subnanometer length and femtosecond time scale by terahertz emission. <i>Science Advances</i> , <b>2019</b> , 5, eaau0073	14.3	29
258	Dielectric disorder in two-dimensional materials. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 832-837	28.7	125
257	Rigid Band Shifts in Two-Dimensional Semiconductors through External Dielectric Screening. <i>Physical Review Letters</i> , <b>2019</b> , 123, 206403	7.4	39
256	Nonlinear Interaction of Rydberg Exciton-Polaritons in Two-Dimensional WSe <sub>2</sub> <b>2019</b> ,		2
255	Disentangling interface and bulk contributions to high-harmonic emission from solids. <i>Optica</i> , <b>2019</b> , 6, 553	8.6	4
254	Infrared Interlayer Exciton Emission in MoS <sub>2</sub> /WSe <sub>2</sub> Heterostructures. <i>Physical Review Letters</i> , <b>2019</b> , 123, 247402	7.4	56
253	Spatial Separation of Carrier Spin by the Valley Hall Effect in Monolayer WSe Transistors. <i>Nano Letters</i> , <b>2019</b> , 19, 770-774	11.5	18
252	Two-dimensional models for the optical response of thin films. <i>2D Materials</i> , <b>2018</b> , 5, 025021	5.9	29
251	Colloquium: Excitons in atomically thin transition metal dichalcogenides. <i>Reviews of Modern Physics</i> , <b>2018</b> , 90,	40.5	766
250	Ultrafast Graphene Light Emitters. <i>Nano Letters</i> , <b>2018</b> , 18, 934-940	11.5	75
249	Nanoscale Heterogeneities in Monolayer MoSe <sub>2</sub> Revealed by Correlated Scanning Probe Microscopy and Tip-Enhanced Raman Spectroscopy. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 572-579	5.6	34

248	Electrical transport across grain boundaries in graphene monolayers on SiC(0 0 0 $\bar{1}$ ). <i>2D Materials</i> , <b>2018</b> , 5, 031004	5.9	5
247	Optical Imaging and Spectroscopic Characterization of Self-Assembled Environmental Adsorbates on Graphene. <i>Nano Letters</i> , <b>2018</b> , 18, 2603-2608	11.5	9
246	Probing the Optical Properties and Strain-Tuning of Ultrathin MoW Te. <i>Nano Letters</i> , <b>2018</b> , 18, 2485-2491	11.5	34
245	Enhancing Mo:BiVO <sub>4</sub> Solar Water Splitting with Patterned Au Nanospheres by Plasmon-Induced Energy Transfer. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701765	21.8	60
244	Enhancement of Exciton-Phonon Scattering from Monolayer to Bilayer WS. <i>Nano Letters</i> , <b>2018</b> , 18, 6135-6143	11.5	27
243	Strain tuning of excitons in monolayer WSe <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	70
242	Ultrafast dynamics in van der Waals heterostructures. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 994-1003	28.7	216
241	Efficient generation of neutral and charged biexcitons in encapsulated WSe monolayers. <i>Nature Communications</i> , <b>2018</b> , 9, 3718	17.4	80
240	Resolving Hysteresis in Perovskite Solar Cells with Rapid Flame-Processed Cobalt-Doped TiO <sub>2</sub> . <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801717	21.8	54
239	Imaging CFI conical intersection and photodissociation dynamics with ultrafast electron diffraction. <i>Science</i> , <b>2018</b> , 361, 64-67	33.3	117
238	The Role of Electronic and Phononic Excitation in the Optical Response of Monolayer WS after Ultrafast Excitation. <i>Nano Letters</i> , <b>2017</b> , 17, 644-651	11.5	106
237	Approaching the intrinsic photoluminescence linewidth in transition metal dichalcogenide monolayers. <i>2D Materials</i> , <b>2017</b> , 4, 031011	5.9	188
236	Coulomb engineering of the bandgap and excitons in two-dimensional materials. <i>Nature Communications</i> , <b>2017</b> , 8, 15251	17.4	334
235	Local Polar Fluctuations in Lead Halide Perovskite Crystals. <i>Physical Review Letters</i> , <b>2017</b> , 118, 136001	7.4	374
234	Exciton broadening in WS <sub>2</sub> /graphene heterostructures. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	38
233	Temperature-Dependent Thermal Boundary Conductance of Monolayer MoS by Raman Thermometry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43013-43020	9.5	87
232	Dynamic Optical Tuning of Interlayer Interactions in the Transition Metal Dichalcogenides. <i>Nano Letters</i> , <b>2017</b> , 17, 7761-7766	11.5	29
231	Magnetic brightening and control of dark excitons in monolayer WSe. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 883-888	28.7	213

230	High-harmonic generation from an atomically thin semiconductor. <i>Nature Physics</i> , <b>2017</b> , 13, 262-265	16.2	320
229	Polaritons in layered two-dimensional materials. <i>Nature Materials</i> , <b>2017</b> , 16, 182-194	27	665
228	Optical manipulation of valley pseudospin. <i>Nature Physics</i> , <b>2017</b> , 13, 26-29	16.2	128
227	Electronic band gaps and exciton binding energies in monolayer $\text{Mo}_x\text{W}_{1-x}\text{S}_2$ transition metal dichalcogenide alloys probed by scanning tunneling and optical spectroscopy. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	61
226	Excitonic linewidth and coherence lifetime in monolayer transition metal dichalcogenides. <i>Nature Communications</i> , <b>2016</b> , 7, 13279	17.4	248
225	Band Alignment in $\text{MoS}_2/\text{WS}_2$ Transition Metal Dichalcogenide Heterostructures Probed by Scanning Tunneling Microscopy and Spectroscopy. <i>Nano Letters</i> , <b>2016</b> , 16, 4831-7	11.5	169
224	Metal-Semiconductor Nanoparticle Hybrids Formed by Self-Organization: A Platform to Address Exciton-Plasmon Coupling. <i>Nano Letters</i> , <b>2016</b> , 16, 4811-8	11.5	33
223	Linearly Polarized Excitons in Single- and Few-Layer $\text{ReS}_2$ Crystals. <i>ACS Photonics</i> , <b>2016</b> , 3, 96-101	6.3	169
222	Energy Transfer from Quantum Dots to Graphene and $\text{MoS}_2$ : The Role of Absorption and Screening in Two-Dimensional Materials. <i>Nano Letters</i> , <b>2016</b> , 16, 2328-33	11.5	140
221	Ultrasensitive Plasmonic Detection of Molecules with Graphene. <i>ACS Photonics</i> , <b>2016</b> , 3, 553-557	6.3	80
220	Population inversion and giant bandgap renormalization in atomically thin $\text{WS}_2$ layers. <i>Nature Photonics</i> , <b>2015</b> , 9, 466-470	33.9	260
219	Observation of Ground- and Excited-State Charge Transfer at the $\text{C}_{60}$ /Graphene Interface. <i>ACS Nano</i> , <b>2015</b> , 9, 7175-85	16.7	60
218	Bright visible light emission from graphene. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 676-81	28.7	226
217	Probing the Dynamics of the Metallic-to-Semiconducting Structural Phase Transformation in $\text{MoS}_2$ Crystals. <i>Nano Letters</i> , <b>2015</b> , 15, 5081-8	11.5	132
216	Probing Interlayer Interactions in Transition Metal Dichalcogenide Heterostructures by Optical Spectroscopy: $\text{MoS}_2/\text{WS}_2$ and $\text{MoSe}_2/\text{WSe}_2$ . <i>Nano Letters</i> , <b>2015</b> , 15, 5033-8	11.5	214
215	Excitons in ultrathin organic-inorganic perovskite crystals. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	206
214	Impedance spectroscopy studies of moisture uptake in low-k dielectrics and its relation to reliability. <i>Microelectronic Engineering</i> , <b>2015</b> , 147, 100-103	2.5	5
213	Observation of biexcitons in monolayer $\text{WSe}_2$ . <i>Nature Physics</i> , <b>2015</b> , 11, 477-481	16.2	399

212	Observation of Excitonic Rydberg States in Monolayer MoS <sub>2</sub> and WS <sub>2</sub> by Photoluminescence Excitation Spectroscopy. <i>Nano Letters</i> , <b>2015</b> , 15, 2992-7	11.5	259
211	Measurement of Lateral and Interfacial Thermal Conductivity of Single- and Bilayer MoS <sub>2</sub> and MoSe <sub>2</sub> Using Refined Optothermal Raman Technique. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25923-9	9.5	195
210	Photonic and Plasmonic Guided Modes in Graphene/Silicon Photonic Crystals. <i>ACS Photonics</i> , <b>2015</b> , 2, 1552-1558	6.3	18
209	Dynamic Structural Response and Deformations of Monolayer MoS <sub>2</sub> Visualized by Femtosecond Electron Diffraction. <i>Nano Letters</i> , <b>2015</b> , 15, 6889-95	11.5	70
208	In-Plane Anisotropy in Mono- and Few-Layer ReS <sub>2</sub> Probed by Raman Spectroscopy and Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , <b>2015</b> , 15, 5667-72	11.5	327
207	Tunable electronic correlation effects in nanotube-light interactions. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	10
206	Electrical Tuning of Exciton Binding Energies in Monolayer WS <sub>2</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 126802	7.4	248
205	Experimental Evidence for Dark Excitons in Monolayer WSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2015</b> , 115, 257403	7.4	286
204	2-dimensional transition metal dichalcogenides with tunable direct band gaps: MoS <sub>2</sub> (x) Se <sub>2</sub> (1-x) monolayers. <i>Advanced Materials</i> , <b>2014</b> , 26, 1399-404	24	282
203	Spin and pseudospins in layered transition metal dichalcogenides. <i>Nature Physics</i> , <b>2014</b> , 10, 343-350	16.2	1733
202	Heterostructures based on inorganic and organic van der Waals systems. <i>APL Materials</i> , <b>2014</b> , 2, 092511	5.7	52
201	Optical properties and band gap of single- and few-layer MoTe <sub>2</sub> crystals. <i>Nano Letters</i> , <b>2014</b> , 14, 6231-6	11.5	540
200	Spectroscopic Study of Anisotropic Excitons in Single Crystal Hexacene. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3632-5	6.4	7
199	Multiphonon relaxation slows singlet fission in crystalline hexacene. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10654-60	16.4	92
198	Observation of rapid exciton-exciton annihilation in monolayer molybdenum disulfide. <i>Nano Letters</i> , <b>2014</b> , 14, 5625-9	11.5	358
197	Exciton binding energy and nonhydrogenic Rydberg series in monolayer WS <sub>2</sub> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 076802	7.4	1358
196	Piezoelectricity of single-atomic-layer MoS <sub>2</sub> for energy conversion and piezotronics. <i>Nature</i> , <b>2014</b> , 514, 470-4	50.4	1360
195	Atomically thin p-n junctions with van der Waals heterointerfaces. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 676-81	8.7	1598

194	Postgrowth tuning of the bandgap of single-layer molybdenum disulfide films by sulfur/selenium exchange. <i>ACS Nano</i> , <b>2014</b> , 8, 4672-7	16.7	88
193	Evolution of the Raman spectrum of graphene grown on copper upon oxidation of the substrate. <i>Nano Research</i> , <b>2014</b> , 7, 1613-1622	10	45
192	Tailoring the electronic structure in bilayer molybdenum disulfide via interlayer twist. <i>Nano Letters</i> , <b>2014</b> , 14, 3869-75	11.5	213
191	Graphene plasmon enhanced vibrational sensing of surface-adsorbed layers. <i>Nano Letters</i> , <b>2014</b> , 14, 1573-1575	11.5	174
190	Tuning Many-Body Interactions in Graphene: The Effects of Doping on Excitons and Carrier Lifetimes. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	57
189	Edge structures for nanoscale graphene islands on Co(0001) surfaces. <i>ACS Nano</i> , <b>2014</b> , 8, 5765-73	16.7	44
188	Excitons in atomically thin transition-metal dichalcogenides <b>2014</b> ,		3
187	Measurement of the optical dielectric function of monolayer transition-metal dichalcogenides: MoS <sub>2</sub> , MoSe <sub>2</sub> , WS <sub>2</sub> , and WSe <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	739
186	Valley splitting and polarization by the Zeeman effect in monolayer MoSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2014</b> , 113, 266804	7.4	299
185	Observation of intra- and inter-band transitions in the transient optical response of graphene. <i>New Journal of Physics</i> , <b>2013</b> , 15, 015009	2.9	66
184	Chip-integrated ultrafast graphene photodetector with high responsivity. <i>Nature Photonics</i> , <b>2013</b> , 7, 883-887	33.9	768
183	Real-time observation of interlayer vibrations in bilayer and few-layer graphene. <i>Nano Letters</i> , <b>2013</b> , 13, 4620-3	11.5	44
182	High-contrast electrooptic modulation of a photonic crystal nanocavity by electrical gating of graphene. <i>Nano Letters</i> , <b>2013</b> , 13, 691-6	11.5	151
181	Tightly bound trions in monolayer MoS <sub>2</sub> . <i>Nature Materials</i> , <b>2013</b> , 12, 207-11	27	1878
180	Raman study of 2,7-bis(biphenyl-4-yl)-2',7'-ditertbutyl-9,9'-spirobifluorene adsorbed on oxide surfaces. <i>Chemical Physics Letters</i> , <b>2013</b> , 584, 74-78	2.5	3
179	Measurement of layer breathing mode vibrations in few-layer graphene. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	89
178	Progress, challenges, and opportunities in two-dimensional materials beyond graphene. <i>ACS Nano</i> , <b>2013</b> , 7, 2898-926	16.7	3414
177	Observation of a transient decrease in terahertz conductivity of single-layer graphene induced by ultrafast optical excitation. <i>Nano Letters</i> , <b>2013</b> , 13, 524-30	11.5	179



176	Grains and grain boundaries in highly crystalline monolayer molybdenum disulphide. <i>Nature Materials</i> , <b>2013</b> , 12, 554-61	27	1590
175	Tunable infrared phonon anomalies in trilayer graphene. <i>Physical Review Letters</i> , <b>2013</b> , 110, 185504	7.4	13
174	Facile growth of monolayer MoS <sub>2</sub> film areas on SiO <sub>2</sub> . <i>European Physical Journal B</i> , <b>2013</b> , 86, 1	1.2	56
173	Probing symmetry properties of few-layer MoS <sub>2</sub> and h-BN by optical second-harmonic generation. <i>Nano Letters</i> , <b>2013</b> , 13, 3329-33	11.5	649
172	Intrinsic line shape of the Raman 2D-mode in freestanding graphene monolayers. <i>Nano Letters</i> , <b>2013</b> , 13, 3517-23	11.5	67
171	Competing thermodynamic and dynamic factors select molecular assemblies on a gold surface. <i>Physical Review Letters</i> , <b>2013</b> , 111, 265701	7.4	11
170	Controlled argon beam-induced desulfurization of monolayer molybdenum disulfide. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 252201	1.8	58
169	Controlling the spontaneous emission rate of monolayer MoS in a photonic crystal nanocavity. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 181119	3.4	155
168	Graphene as an atomically thin interface for growth of vertically aligned carbon nanotubes. <i>Scientific Reports</i> , <b>2013</b> , 3, 1891	4.9	47
167	Desorption by Femtosecond Laser Pulses: An Electron-Hole Effect?. <i>Progress of Theoretical Physics Supplement</i> , <b>2013</b> , 106, 411-418		2
166	Observation of layer-breathing mode vibrations in few-layer graphene through combination Raman scattering. <i>Nano Letters</i> , <b>2012</b> , 12, 5539-44	11.5	134
165	All-optical structure assignment of individual single-walled carbon nanotubes from Rayleigh and Raman scattering measurements. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2436-2441	1.3	8
164	The effect of voltage bias stress on temperature-dependent conduction properties of low-k dielectrics <b>2012</b> ,		2
163	Optical spectroscopy of graphene: From the far infrared to the ultraviolet. <i>Solid State Communications</i> , <b>2012</b> , 152, 1341-1349	1.6	485
162	Strong enhancement of light-matter interaction in graphene coupled to a photonic crystal nanocavity. <i>Nano Letters</i> , <b>2012</b> , 12, 5626-31	11.5	204
161	Water-gated charge doping of graphene induced by mica substrates. <i>Nano Letters</i> , <b>2012</b> , 12, 648-54	11.5	146
160	Excitonic signatures in the optical response of single-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 900-906	1.3	8
159	Structure-dependent Fano resonances in the infrared spectra of phonons in few-layer graphene. <i>Physical Review Letters</i> , <b>2012</b> , 108, 156801	7.4	54



158	Ultrafast supercontinuum spectroscopy of carrier multiplication and biexcitonic effects in excited states of PbS quantum dots. <i>Nano Letters</i> , <b>2012</b> , 12, 2658-64	11.5	41
157	Control of valley polarization in monolayer MoS <sub>2</sub> by optical helicity. <i>Nature Nanotechnology</i> , <b>2012</b> , 7, 494-8	28.7	2670
156	Scanning tunneling microscopy and X-ray photoelectron spectroscopy studies of graphene films prepared by sonication-assisted dispersion. <i>ACS Nano</i> , <b>2011</b> , 5, 6102-8	16.7	49
155	Observation of electronic Raman scattering in metallic carbon nanotubes. <i>Physical Review Letters</i> , <b>2011</b> , 107, 157401	7.4	41
154	Raman spectra of out-of-plane phonons in bilayer graphene. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	53
153	Observation of an electrically tunable band gap in trilayer graphene. <i>Nature Physics</i> , <b>2011</b> , 7, 944-947	16.2	419
152	High-resolution spatial mapping of the temperature distribution of a Joule self-heated graphene nanoribbon. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 183105	3.4	61
151	Visualizing individual nitrogen dopants in monolayer graphene. <i>Science</i> , <b>2011</b> , 333, 999-1003	33.3	697
150	Carrier dynamics in semiconductors studied with time-resolved terahertz spectroscopy. <i>Reviews of Modern Physics</i> , <b>2011</b> , 83, 543-586	40.5	753
149	Imaging stacking order in few-layer graphene. <i>Nano Letters</i> , <b>2011</b> , 11, 164-9	11.5	279
148	Low bias electron scattering in structure-identified single wall carbon nanotubes: role of substrate polar phonons. <i>Physical Review Letters</i> , <b>2011</b> , 107, 146601	7.4	13
147	Seeing many-body effects in single- and few-layer graphene: observation of two-dimensional saddle-point excitons. <i>Physical Review Letters</i> , <b>2011</b> , 106, 046401	7.4	315
146	Temperature dependence of the anharmonic decay of optical phonons in carbon nanotubes and graphite. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	48
145	Measurement of the thermal conductance of the graphene/SiO <sub>2</sub> interface. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 221904	3.4	148
144	Ultrafast photoluminescence from graphene. <i>Physical Review Letters</i> , <b>2010</b> , 105, 127404	7.4	332
143	Electronic structure of few-layer graphene: experimental demonstration of strong dependence on stacking sequence. <i>Physical Review Letters</i> , <b>2010</b> , 104, 176404	7.4	221
142	The evolution of electronic structure in few-layer graphene revealed by optical spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 14999-5004	11.5	161
141	Excitons and high-order optical transitions in individual carbon nanotubes: A Rayleigh scattering spectroscopy study. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	52

140	Infrared spectra of individual semiconducting single-walled carbon nanotubes: Testing the scaling of transition energies for large diameter nanotubes. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	8
139	Energy transfer from individual semiconductor nanocrystals to graphene. <i>ACS Nano</i> , <b>2010</b> , 4, 2964-8	16.7	301
138	Probing strain-induced electronic structure change in graphene by Raman spectroscopy. <i>Nano Letters</i> , <b>2010</b> , 10, 4074-9	11.5	313
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