

# Herre S J Van Der Zant

## 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.

296  
papers

26,328  
citations

78  
h-index

157  
g-index

313  
ext. papers

29,702  
ext. citations

9  
avg, IF

7.17  
L-index

#	Paper	IF	Citations
296	Magnetic-Field Universality of the Kondo Effect Revealed by Thermocurrent Spectroscopy.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 147701	7.4	2
295	Spin-Crossover in Supramolecular Iron(II)-2,6-bis(1-Pyrazol-1-yl)pyridine Complexes: Toward Spin-State Switchable Single-Molecule Junctions.. <i>ACS Omega</i> , <b>2022</b> , 7, 13654-13666	3.9	0
294	Ferritin-Based Single-Electron Devices. <i>Biomolecules</i> , <b>2022</b> , 12, 705	5.9	
293	Nanomechanical probing and strain tuning of the Curie temperature in suspended Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> -based heterostructures. <i>Npj 2D Materials and Applications</i> , <b>2022</b> , 6,	8.8	2
292	Controlling the Entropy of a Single-Molecule Junction. <i>Nano Letters</i> , <b>2021</b> , 21, 9715-9719	11.5	3
291	Chemical Design and Magnetic Ordering in Thin Layers of 2D Metal-Organic Frameworks (MOFs). <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18502-18510	16.4	4
290	Semi-permeability of graphene nanodrums in sucrose solution. <i>2D Materials</i> , <b>2021</b> , 8, 015031	5.9	2
289	Benchmark and application of unsupervised classification approaches for univariate data. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	8
288	Complete mapping of the thermoelectric properties of a single molecule. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 426-430	28.7	14
287	Study of charge density waves in suspended 2H-TaS <sub>2</sub> and 2H-TaSe <sub>2</sub> by nanomechanical resonance. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 193105	3.4	2
286	Controlling the anisotropy of a van der Waals antiferromagnet with light. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	13
285	Integrating van der Waals materials on paper substrates for electrical and optical applications. <i>Applied Materials Today</i> , <b>2021</b> , 23, 101012	6.6	3
284	Porphyrins as building blocks for single-molecule devices. <i>Nanoscale</i> , <b>2021</b> , 13, 15500-15525	7.7	4
283	Conformation-dependent charge transport through short peptides. <i>Nanoscale</i> , <b>2021</b> , 13, 3002-3009	7.7	1
282	Tuning nonlinear damping in graphene nanoresonators by parametric-direct internal resonance. <i>Nature Communications</i> , <b>2021</b> , 12, 1099	17.4	13
281	Substitution Pattern Controlled Quantum Interference in [2.2]Paracyclophane-Based Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13944-13951	16.4	2
280	Squeeze-Film Effect on Atomically Thin Resonators in the High-Pressure Limit. <i>Nano Letters</i> , <b>2021</b> , 21, 7617-7624	11.5	0

279	Dynamics of 2D material membranes. <i>2D Materials</i> , <b>2021</b> , 8, 042001	5.9	5
278	Integrating superconducting van der Waals materials on paper substrates. <i>Materials Advances</i> , <b>2021</b> , 2, 3274-3281	3.3	2
277	Synthesis and Transport Studies of a Cofacial Porphyrin Cyclophane. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 15072-15081	4.2	2
276	Magnetic and electronic phase transitions probed by nanomechanical resonators. <i>Nature Communications</i> , <b>2020</b> , 11, 2698	17.4	33
275	Single-molecule functionality in electronic components based on orbital resonances. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 12849-12866	3.6	7
274	A Mechanically Tunable Quantum Dot in a Graphene Break Junction. <i>Nano Letters</i> , <b>2020</b> , 20, 4924-4931	11.5	4
273	MoS-on-paper optoelectronics: drawing photodetectors with van der Waals semiconductors beyond graphite. <i>Nanoscale</i> , <b>2020</b> , 12, 19068-19074	7.7	15
272	Symmetry Breakdown in Francite: Spontaneous Strain, Rippling, and Interlayer Moiré. <i>Nano Letters</i> , <b>2020</b> , 20, 1141-1147	11.5	13
271	Single-Material Graphene Thermocouples. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000574	15.6	10
270	Tunable Photodetectors via In Situ Thermal Conversion of TiS to TiO. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
269	Nonequilibrium thermodynamics of acoustic phonons in suspended graphene. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	6
268	Nanoelectromechanical Sensors Based on Suspended 2D Materials. <i>Research</i> , <b>2020</b> , 2020, 8748602	7.8	39
267	Mechanical Fixation by Porphyrin Connection: Synthesis and Transport Studies of a Bicyclic Dimer. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 118-128	4.2	4
266	Single-Molecule Transport of Fullerene-Based Curcuminoids. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 2698-2704	3.8	5
265	Ultrathin complex oxide nanomechanical resonators. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	12
264	High-frequency gas effusion through nanopores in suspended graphene. <i>Nature Communications</i> , <b>2020</b> , 11, 6025	17.4	12
263	Sensitive capacitive pressure sensors based on graphene membrane arrays. <i>Microsystems and Nanoengineering</i> , <b>2020</b> , 6, 102	7.7	13
262	Drawing WS thermal sensors on paper substrates. <i>Nanoscale</i> , <b>2020</b> , 12, 22091-22096	7.7	7

261	Intermolecular Effects on Tunneling through Acenes in Large-Area and Single-Molecule Junctions. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 22776-22783	3.8	8
260	Anisotropic magnetoresistance in spin-orbit semimetal. <i>European Physical Journal Plus</i> , <b>2020</b> , 135, 627	3.1	1
259	Raman Fingerprint of Pressure-Induced Phase Transitions in TiS <sub>3</sub> Nanoribbons: Implications for Thermal Measurements under Extreme Stress Conditions. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 8794-8802	5.6	10
258	Multi-terminal electronic transport in boron nitride encapsulated TiS <sub>3</sub> nanosheets. <i>2D Materials</i> , <b>2020</b> , 7, 015009	5.9	8
257	Efficient heating of single-molecule junctions for thermoelectric studies at cryogenic temperatures. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 073103	3.4	11
256	Mass measurement of graphene using quartz crystal microbalances. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 053102	3.4	4
255	A highly conductive fibre network enables centimetre-scale electron transport in multicellular cable bacteria. <i>Nature Communications</i> , <b>2019</b> , 10, 4120	17.4	50
254	Robust graphene-based molecular devices. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 957-961	28.7	28
253	High-Frequency Stochastic Switching of Graphene Resonators Near Room Temperature. <i>Nano Letters</i> , <b>2019</b> , 19, 1282-1288	11.5	24
252	Single-molecule quantum-transport phenomena in break junctions. <i>Nature Reviews Physics</i> , <b>2019</b> , 1, 381-396	39.6	99
251	Thickness-Dependent Refractive Index of 1L, 2L, and 3L MoS <sub>2</sub> , MoSe <sub>2</sub> , WS <sub>2</sub> , and WSe <sub>2</sub> . <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900239	8.1	80
250	Ground-State Spin Blockade in a Single-Molecule Junction. <i>Physical Review Letters</i> , <b>2019</b> , 122, 197701	7.4	20
249	Enhanced Separation Concept (ESC): Removing the Functional Subunit from the Electrode by Molecular Design. <i>European Journal of Organic Chemistry</i> , <b>2019</b> , 2019, 5334-5343	3.2	6
248	A reference-free clustering method for the analysis of molecular break-junction measurements. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 143102	3.4	35
247	Trapping and electrical characterization of single core/shell iron-based nanoparticles in self-aligned nanogaps. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 063104	3.4	1
246	Highly Anisotropic Mechanical and Optical Properties of 2D Layered AsS Membranes. <i>ACS Nano</i> , <b>2019</b> , 13, 10845-10851	16.7	34
245	Sealing Graphene Nanodrums. <i>Nano Letters</i> , <b>2019</b> , 19, 5313-5318	11.5	18
244	Unravelling the conductance path through single-porphyrin junctions. <i>Chemical Science</i> , <b>2019</b> , 10, 8299-8305	8.05	20

243	Can One Define the Conductance of Amino Acids?. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	13
242	Large Tunability of Strain in WO Single-Crystal Microresonators Controlled by Exposure to H Gas. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44438-44443	9.5	5
241	Atomically thin p-n junctions based on two-dimensional materials. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 3339-3358	58.5	158
240	On-chip Heaters for Tension Tuning of Graphene Nanodrums. <i>Nano Letters</i> , <b>2018</b> , 18, 2852-2858	11.5	13
239	Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , <b>2018</b> , 10, 7905-7911	7.7	32
238	Opto-thermally excited multimode parametric resonance in graphene membranes. <i>Scientific Reports</i> , <b>2018</b> , 8, 9366	4.9	23
237	Electric-field induced bistability in single-molecule conductance measurements for boron coordinated curcuminoid compounds. <i>Chemical Science</i> , <b>2018</b> , 9, 6988-6996	9.4	12
236	Isorecticular two-dimensional magnetic coordination polymers prepared through pre-synthetic ligand functionalization. <i>Nature Chemistry</i> , <b>2018</b> , 10, 1001-1007	17.6	70
235	Massively parallel fabrication of crack-defined gold break junctions featuring sub-3 nm gaps for molecular devices. <i>Nature Communications</i> , <b>2018</b> , 9, 3433	17.4	37
234	Large Conductance Variations in a Mechanosensitive Single-Molecule Junction. <i>Nano Letters</i> , <b>2018</b> , 18, 5981-5988	11.5	32
233	Quantum Transport through a Single Conjugated Rigid Molecule, a Mechanical Break Junction Study. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1359-1367	24.3	30
232	Large birefringence and linear dichroism in TiS nanosheets. <i>Nanoscale</i> , <b>2018</b> , 10, 12424-12429	7.7	26
231	Transient thermal characterization of suspended monolayer MoS <sub>2</sub> . <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	9
230	Graphene mechanical pixels for Interferometric Modulator Displays. <i>Nature Communications</i> , <b>2018</b> , 9, 4837	17.4	12
229	Mechanically controlled quantum interference in graphene break junctions. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 1126-1131	28.7	43
228	Spin signatures in the electrical response of graphene nanogaps. <i>Nanoscale</i> , <b>2018</b> , 10, 18169-18177	7.7	6
227	Graphene gas pumps. <i>2D Materials</i> , <b>2018</b> , 5, 031009	5.9	13
226	Franckeite as a naturally occurring van der Waals heterostructure. <i>Nature Communications</i> , <b>2017</b> , 8, 14409	7.4	68

225	Direct and parametric synchronization of a graphene self-oscillator. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 073103	3.4	13
224	Electronics and optoelectronics of quasi-1D layered transition metal trichalcogenides. <i>2D Materials</i> , <b>2017</b> , 4, 022003	5.9	92
223	Redox-Induced Gating of the Exchange Interactions in a Single Organic Diradical. <i>ACS Nano</i> , <b>2017</b> , 11, 5879-5883	16.7	34
222	Very large scale characterization of graphene mechanical devices using a colorimetry technique. <i>Nanoscale</i> , <b>2017</b> , 9, 7559-7564	7.7	11
221	Proximity-Induced Shiba States in a Molecular Junction. <i>Physical Review Letters</i> , <b>2017</b> , 118, 117001	7.4	29
220	Phase Transitions in Spin-Crossover Thin Films Probed by Graphene Transport Measurements. <i>Nano Letters</i> , <b>2017</b> , 17, 186-193	11.5	69
219	Design of an efficient coherent multi-site single-molecule rectifier. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 29187-29194	3.6	10
218	Nonlinear dynamic characterization of two-dimensional materials. <i>Nature Communications</i> , <b>2017</b> , 8, 12531	7.4	70
217	Optomechanics for thermal characterization of suspended graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	20
216	Suspended graphene beams with tunable gap for squeeze-film pressure sensing <b>2017</b> ,		7
215	Static Capacitive Pressure Sensing Using a Single Graphene Drum. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43205-43210	9.5	28
214	Graphene gas osmometers. <i>2D Materials</i> , <b>2017</b> , 4, 011002	5.9	20
213	Amplitude calibration of 2D mechanical resonators by nonlinear optical transduction. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 253104	3.4	11
212	Mechanically controlled quantum interference in individual E <sub>2</sub> stacked dimers. <i>Nature Chemistry</i> , <b>2016</b> , 8, 1099-1104	17.6	124
211	Transition from Strong to Weak Electronic Coupling in a Single-Molecule Junction. <i>Physical Review Letters</i> , <b>2016</b> , 117, 126804	7.4	30
210	Multiscale Approach to the Study of the Electronic Properties of Two Thiophene Curcuminoid Molecules. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 12808-18	4.8	16
209	Titanium trisulfide (TiS <sub>3</sub> ): a 2D semiconductor with quasi-1D optical and electronic properties. <i>Scientific Reports</i> , <b>2016</b> , 6, 22214	4.9	80
208	Enhanced superconductivity in atomically thin TaS <sub>2</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 11043	17.4	200

207	Synthesis of 1,2-biphenylethane based single-molecule diodes. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 2439-43	3.9	11
206	Precise and reversible band gap tuning in single-layer MoSe <sub>2</sub> by uniaxial strain. <i>Nanoscale</i> , <b>2016</b> , 8, 2589-93	9.3	102
205	Visualizing the Motion of Graphene Nanodrums. <i>Nano Letters</i> , <b>2016</b> , 16, 2768-73	11.5	51
204	Exchange Coupling Inversion in a High-Spin Organic Triradical Molecule. <i>Nano Letters</i> , <b>2016</b> , 16, 2066-71	11.5	40
203	Sequential Electron Transport and Vibrational Excitations in an Organic Molecule Coupled to Few-Layer Graphene Electrodes. <i>ACS Nano</i> , <b>2016</b> , 10, 2521-7	16.7	36
202	Graphene Squeeze-Film Pressure Sensors. <i>Nano Letters</i> , <b>2016</b> , 16, 568-71	11.5	96
201	Insulator-protected mechanically controlled break junctions for measuring single-molecule conductance in aqueous environments. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 013102	3.4	7
200	Centimeter-Scale Synthesis of Ultrathin Layered MoO <sub>3</sub> by van der Waals Epitaxy. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4042-4051	9.6	64
199	A gate-tunable single-molecule diode. <i>Nanoscale</i> , <b>2016</b> , 8, 8919-23	7.7	64
198	Stretching-Induced Conductance Increase in a Spin-Crossover Molecule. <i>Nano Letters</i> , <b>2016</b> , 16, 4733-7	11.5	66
197	Colorimetry Technique for Scalable Characterization of Suspended Graphene. <i>Nano Letters</i> , <b>2016</b> , 16, 6792-6796	11.5	19
196	Probing transverse magnetic anisotropy by electronic transport through a single-molecule magnet. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	21
195	Observing magnetic anisotropy in electronic transport through individual single-molecule magnets. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 113202	1.8	19
194	Electric-Field Control of Interfering Transport Pathways in a Single-Molecule Anthraquinone Transistor. <i>Nano Letters</i> , <b>2015</b> , 15, 5569-73	11.5	50
193	Photocurrent generation with two-dimensional van der Waals semiconductors. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 3691-718	58.5	608
192	Kondo effect in a neutral and stable all organic radical single molecule break junction. <i>Nano Letters</i> , <b>2015</b> , 15, 3109-14	11.5	93
191	Control of biaxial strain in single-layer molybdenite using local thermal expansion of the substrate. <i>2D Materials</i> , <b>2015</b> , 2, 015006	5.9	104
190	TiS <sub>3</sub> transistors with tailored morphology and electrical properties. <i>Advanced Materials</i> , <b>2015</b> , 27, 2595-601	6.1	144

189	Pick-up and drop transfer of diamond nanosheets. <i>Nanotechnology</i> , <b>2015</b> , 26, 125706	3.4	8
188	Single-photon emission from localized excitons in an atomically thin semiconductor. <i>Optica</i> , <b>2015</b> , 2, 347	8.6	290
187	Observing the semiconducting band-gap alignment of MoS <sub>2</sub> layers of different atomic thicknesses using a MoS <sub>2</sub> /SiO <sub>2</sub> /Si heterojunction tunnel diode. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 053101	3.4	7
186	Temperature-Dependent Raman Spectroscopy of Titanium Trisulfide (TiS <sub>3</sub> ) Nanoribbons and Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24185-90	9.5	72
185	Superconducting molybdenum-rhenium electrodes for single-molecule transport studies. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 222602	3.4	6
184	High charge mobility in two-dimensional percolative networks of PbSe quantum dots connected by atomic bonds. <i>Nature Communications</i> , <b>2015</b> , 6, 8195	17.4	99
183	Gate-tunable diode and photovoltaic effect in an organic-2D layered material p-n junction. <i>Nanoscale</i> , <b>2015</b> , 7, 15442-9	7.7	72
182	Gate Controlled Photocurrent Generation Mechanisms in High-Gain InBe Phototransistors. <i>Nano Letters</i> , <b>2015</b> , 15, 7853-8	11.5	248
181	Mechanics of freely-suspended ultrathin layered materials. <i>Annalen Der Physik</i> , <b>2015</b> , 527, 27-44	2.6	112
180	Single-molecule transistors. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 902-19	58.5	214
179	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
178	Electron-vibron coupling effects on electron transport via a single-molecule magnet. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	10
177	Image effects in transport at metal-molecule interfaces. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 174106	3.9	9
176	High-quality-factor tantalum oxide nanomechanical resonators by laser oxidation of TaSe <sub>2</sub> . <i>Nano Research</i> , <b>2015</b> , 8, 2842-2849	10	24
175	Single-Molecule Spin Switch Based on Voltage-Triggered Distortion of the Coordination Sphere. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13425-30	16.4	106
174	Single-Molecule Break Junctions Based on a Perylene-Diimide Cyano-Functionalized (PDI8-CN <sub>2</sub> ) Derivative. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 1011	5	10
173	Electrical properties and mechanical stability of anchoring groups for single-molecule electronics. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 1558-67	3	49
172	Probing the local environment of a single OPE3 molecule using inelastic tunneling electron spectroscopy. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 2477-2484	3	7



171	Tracking molecular resonance forms of donor-acceptor push-pull molecules by single-molecule conductance experiments. <i>Nature Communications</i> , <b>2015</b> , 6, 10233	17.4	30
170	Single-Molecule Resonant Tunneling Diode. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 5697-5702	3.8	35
169	Environmental instability of few-layer black phosphorus. <i>2D Materials</i> , <b>2015</b> , 2, 011002	5.9	683
168	Spin switching in electronic devices based on 2D assemblies of spin-crossover nanoparticles. <i>Advanced Materials</i> , <b>2015</b> , 27, 1288-93	24	85
167	Folded MoS2 layers with reduced interlayer coupling. <i>Nano Research</i> , <b>2014</b> , 7, 572-578	10	55
166	The effect of the substrate on the Raman and photoluminescence emission of single-layer MoS2. <i>Nano Research</i> , <b>2014</b> , 7, 561-571	10	392
165	Franck-Condon blockade in a single-molecule transistor. <i>Nano Letters</i> , <b>2014</b> , 14, 3191-6	11.5	82
164	Fabrication of hybrid molecular devices using multi-layer graphene break junctions. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 474205	1.8	13
163	Time-domain response of atomically thin MoS2 nanomechanical resonators. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 041911	3.4	30
162	A comprehensive study of extended tetrathiafulvalene cruciform molecules for molecular electronics: synthesis and electrical transport measurements. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16497-507	16.4	46
161	Photovoltaic and photothermoelectric effect in a double-gated WSe2 device. <i>Nano Letters</i> , <b>2014</b> , 14, 5846-52	11.5	186
160	Contactless photoconductance study on undoped and doped nanocrystalline diamond films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 11368-75	9.5	5
159	Large negative differential conductance in single-molecule break junctions. <i>Nature Nanotechnology</i> , <b>2014</b> , 9, 830-4	28.7	143
158	Photovoltaic effect in few-layer black phosphorus PN junctions defined by local electrostatic gating. <i>Nature Communications</i> , <b>2014</b> , 5, 4651	17.4	555
157	Fast and broadband photoresponse of few-layer black phosphorus field-effect transistors. <i>Nano Letters</i> , <b>2014</b> , 14, 3347-52	11.5	1305
156	Isolation and characterization of few-layer black phosphorus. <i>2D Materials</i> , <b>2014</b> , 1, 025001	5.9	1163
155	Long-range orientation and atomic attachment of nanocrystals in 2D honeycomb superlattices. <i>Science</i> , <b>2014</b> , 344, 1377-80	33.3	303
154	Effect of metal complexation on the conductance of single-molecular wires measured at room temperature. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8314-22	16.4	38

153	Deterministic transfer of two-dimensional materials by all-dry viscoelastic stamping. <i>2D Materials</i> , <b>2014</b> , 1, 011002	5.9	986
152	Note: long-range scanning tunneling microscope for the study of nanostructures on insulating substrates. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 026105	1.7	2
151	Ultrahigh Photoresponse of Few-Layer TiS <sub>3</sub> Nanoribbon Transistors. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 641-645	8.1	159
150	Submicrosecond-timescale readout of carbon nanotube mechanical motion. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 053121	3.4	8
149	Quantum interference effects at room temperature in OPV-based single-molecule junctions. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 234	5	44
148	Single-layer MoS <sub>2</sub> mechanical resonators. <i>Advanced Materials</i> , <b>2013</b> , 25, 6719-23	24	162
147	Local strain engineering in atomically thin MoS <sub>2</sub> . <i>Nano Letters</i> , <b>2013</b> , 13, 5361-6	11.5	802
146	Hydrogen termination of CVD diamond films by high-temperature annealing at atmospheric pressure. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 234707	3.9	17
145	Stochastic switching of cantilever motion. <i>Nature Communications</i> , <b>2013</b> , 4, 2624	17.4	33
144	In situ transmission electron microscopy imaging of electromigration in platinum nanowires. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19 Suppl 5, 43-8	0.5	9
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