

# Paul S Weiss

## 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.

284 papers	20,976 citations	71 h-index	135 g-index
514 ext. papers	23,794 ext. citations	12.3 avg, IF	6.84 L-index

#	Paper	IF	Citations
284	Wearable aptamer-field-effect transistor sensing system for noninvasive cortisol monitoring.. <i>Science Advances</i> , <b>2022</b> , 8, eabk0967	14.3	18
283	Extraction of Hidden Science from Nanoscale Images. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 3-13	3.8	
282	Template-Enabled Biofabrication of Thick Three-Dimensional Tissues with Patterned Perfusable Macro-Channels.. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2102123	10.1	2
281	Implantable aptamer-field-effect transistor neuroprobes for in vivo neurotransmitter monitoring. <i>Science Advances</i> , <b>2021</b> , 7, eabj7422	14.3	9
280	Nanoengineered Antiviral Fibrous Arrays with Rose-Thorn-Inspired Architectures <b>2021</b> , 3, 1566-1571		2
279	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , <b>2021</b> , 15, 3754-3807	16.7	18
278	Continuous chaotic bioprinting of skeletal muscle-like constructs. <i>Bioprinting</i> , <b>2021</b> , 21, e00125	7	16
277	Additively Manufactured Gradient Porous Ti-6Al-4V Hip Replacement Implants Embedded with Cell-Laden Gelatin Methacryloyl Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 22110-22123	9.5	26
276	Single-Step Dual-Layer Photolithography for Tunable and Scalable Nanopatterning. <i>ACS Nano</i> , <b>2021</b> , 15, 10737-10748	16.7	11
275	Narrower Nanoribbon Biosensors Fabricated by Chemical Lift-off Lithography Show Higher Sensitivity. <i>ACS Nano</i> , <b>2021</b> , 15, 904-915	16.7	19
274	Seeded-Growth Experiment Demonstrating Size- and Shape-Dependence on Gold Nanoparticle-Light Interactions. <i>Journal of Chemical Education</i> , <b>2021</b> , 98, 546-552	2.4	5
273	Large-Scale Soft-Lithographic Patterning of Plasmonic Nanoparticles <b>2021</b> , 3, 282-289		2
272	Touting the Growing Contributions of Nanoscience and Nanotechnology. <i>ACS Nano</i> , <b>2021</b> , 15, 10737-10748	16.7	0
271	Whitlockite-Enabled Hydrogel for Craniofacial Bone Regeneration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35342-35355	9.5	5
270	Stretchable and Bioadhesive Gelatin Methacryloyl-Based Hydrogels Enabled by Dopamine Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40290-40301	9.5	12
269	From mouse to mouse-ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , <b>2021</b> , 1, 9-20		13
268	Fabrication of Multilayered Composite Nanofibers Using Continuous Chaotic Printing and Electrospinning: Chaotic Electrospinning. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 37455-37465	9.5	2

267	Silver nanoparticles boost charge-extraction efficiency in microbial fuel cells. <i>Science</i> , <b>2021</b> , 373, 1336-1340	38.5	38
266	Towards High-Performance Semitransparent Organic Photovoltaics: Dual-Functional -Type Soft Interlayer.. <i>ACS Nano</i> , <b>2021</b> ,	16.7	1
265	Flexible Multiplexed InO Nanoribbon Aptamer-Field-Effect Transistors for Biosensing. <i>IScience</i> , <b>2020</b> , 23, 101469	6.1	19
264	The Design and Science of Polyelemental Nanoparticles. <i>ACS Nano</i> , <b>2020</b> , 14, 6407-6413	16.7	29
263	Challenges and Opportunities in Designing Perovskite Nanocrystal Heterostructures. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2253-2255	20.1	24
262	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , <b>2020</b> , 39, 2331-2333	3.8	
261	Influence of Terminal Carboxyl Groups on the Structure and Reactivity of Functionalized m-Carboranethiolate Self-Assembled Monolayers. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6800-6809	9.6	3
260	Scalable Fabrication of Quasi-One-Dimensional Gold Nanoribbons for Plasmonic Sensing. <i>Nano Letters</i> , <b>2020</b> , 20, 1747-1754	11.5	10
259	Lipid Bicelle Micropatterning Using Chemical Lift-Off Lithography. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 13447-13455	9.5	9
258	Pillar[5]arene-based tunable luminescent materials via supramolecular assembly-induced Förster resonance energy transfer enhancement. <i>Materials Chemistry Frontiers</i> , <b>2020</b> , 4, 950-956	7.8	28
257	Differential Charging in Photoemission from Mercurated DNA Monolayers on Ferromagnetic Films. <i>Nano Letters</i> , <b>2020</b> , 20, 1218-1225	11.5	6
256	Acoustofluidic sonoporation for gene delivery to human hematopoietic stem and progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 10976-10982	11.5	35
255	Update to Our Reader, Reviewer, and Author Communities April 2020. <i>Organometallics</i> , <b>2020</b> , 39, 1665-1666	3.8	
254	Electrode Degradation in Lithium-Ion Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 1243-1295	16.7	209
253	Chemical Lift-Off Lithography of Metal and Semiconductor Surfaces <b>2020</b> , 2, 76-83		10
252	Photothermal Intracellular Delivery Using Gold Nanodisk Arrays <b>2020</b> , 2, 1475-1483		6
251	Selective Promotion of Adhesion of on Mannose-Decorated Glycopolymer Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35767-35781	9.5	6
250	Detecting DNA and RNA and Differentiating Single-Nucleotide Variations via Field-Effect Transistors. <i>Nano Letters</i> , <b>2020</b> , 20, 5982-5990	11.5	24

249	Cholesteryl Ester Liquid Crystal Nanofibers for Tissue Engineering Applications <b>2020</b> , 2, 1067-1073		16
248	Shape Control of Thermoplasmonic Gold Nanostars on Oxide Substrates for Hyperthermia-Mediated Cell Detachment. <i>ACS Central Science</i> , <b>2020</b> , 6, 2105-2116	16.8	7
247	Supramolecular nanosubstrate-mediated delivery system enables CRISPR-Cas9 knockin of hemoglobin beta gene for hemoglobinopathies. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	14
246	Lipid-Bicelle-Coated Microfluidics for Intracellular Delivery with Reduced Fouling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45744-45752	9.5	6
245	Cloaking Silica Nanoparticles with Functional Protein Coatings for Reduced Complement Activation and Cellular Uptake. <i>ACS Nano</i> , <b>2020</b> , 14, 11950-11961	16.7	13
244	Coupling Nanostructured Microchips with Covalent Chemistry Enables Purification of Sarcoma-Derived Extracellular Vesicles for Downstream Functional Studies. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003237	15.6	7
243	Dual Supramolecular Nanoparticle Vectors Enable CRISPR/Cas9-Mediated Knockin of Retinoschisin 1 Gene-A Potential Nonviral Therapeutic Solution for X-Linked Juvenile Retinoschisis. <i>Advanced Science</i> , <b>2020</b> , 7, 1903432	13.6	17
242	Intracellular Photothermal Delivery for Suspension Cells Using Sharp Nanoscale Tips in Microwells. <i>ACS Nano</i> , <b>2019</b> , 13, 10835-10844	16.7	22
241	A Discussion Forum for Science, Publishing, and Policy. <i>ACS Nano</i> , <b>2019</b> , 13, 9695	16.7	0
240	Nanotechnology Facets of the Periodic Table of Elements. <i>ACS Nano</i> , <b>2019</b> , 13, 10879-10886	16.7	15
239	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmut M. Böwring. <i>ACS Nano</i> , <b>2019</b> , 13, 6151-6169	16.7	127
238	Nanoscience and Nanotechnology at UCLA. <i>ACS Nano</i> , <b>2019</b> , 13, 6127-6129	16.7	1
237	Emergence of Liquid Metals in Nanotechnology. <i>ACS Nano</i> , <b>2019</b> , 13, 7388-7395	16.7	169
236	Spin Selectivity in Photoinduced Charge-Transfer Mediated by Chiral Molecules. <i>ACS Nano</i> , <b>2019</b> , 13, 4928-4946	16.7	40
235	Photoinduced Charge Transfer in Single-Molecule p-n Junctions. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 2175-2181	6.4	8
234	Bio-Inspired NanoVilli Chips for Enhanced Capture of Tumor-Derived Extracellular Vesicles: Toward Non-Invasive Detection of Gene Alterations in Non-Small Cell Lung Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13973-13983	9.5	36
233	Hierarchically Patterned Polydopamine-Containing Membranes for Periodontal Tissue Engineering. <i>ACS Nano</i> , <b>2019</b> , 13, 3830-3838	16.7	52
232	Steering Two-Dimensional Porous Networks with $\pi$ -Hole Interactions of Br $\pi$ and Br $\pi$ Br. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3041-3048	9.6	17

231	Announcing the 2019 ACS Nano Award Lectures. <i>ACS Nano</i> , <b>2019</b> , 13, 933-934	16.7	1
230	Micropatterned Viral Membrane Clusters for Antiviral Drug Evaluation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13984-13990	9.5	4
229	Spin-Dependent Ionization of Chiral Molecular Films. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 3863-3874	16.4	32
228	Covalent chemistry on nanostructured substrates enables noninvasive quantification of gene rearrangements in circulating tumor cells. <i>Science Advances</i> , <b>2019</b> , 5, eaav9186	14.3	25
227	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 629-635	28.7	92
226	Conformal Ultrathin Film Metal-Organic Framework Analogues: Characterization of Growth, Porosity, and Electronic Transport. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8977-8986	9.6	5
225	Formation of Highly Ordered Terminal Alkyne Self-Assembled Monolayers on the Au{111} Surface through Substitution of 1-Decaboranethiolate. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 1348-1353	3.8	3
224	Phenylalanine Monitoring via Aptamer-Field-Effect Transistor Sensors. <i>ACS Sensors</i> , <b>2019</b> , 4, 3308-3317	9.2	24
223	Photoinduced Carrier Generation and Distribution in Solution-Deposited Titanyl Phthalocyanine Monolayers. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 10109-10116	9.6	7
222	An absence of lamin B1 in migrating neurons causes nuclear membrane ruptures and cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 25870-25879	11.5	30
221	Principles of Inter-Amino-Acid Recognition Revealed by Binding Energies between Homogeneous Oligopeptides. <i>ACS Central Science</i> , <b>2019</b> , 5, 97-108	16.8	16
220	International Chemistry, Nanoscience, and Engagement. <i>ACS Nano</i> , <b>2018</b> , 12, 903	16.7	
219	Mechanobiological Mimicry of Helper T Lymphocytes to Evaluate Cell-Biomaterials Crosstalk. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706780	24	16
218	Polyserotonin Nanoparticles as Multifunctional Materials for Biomedical Applications. <i>ACS Nano</i> , <b>2018</b> , 12, 4761-4774	16.7	33
217	Acid-Base Control of Valency within Carboranedithiol Self-Assembled Monolayers: Molecules Do the Can-Can. <i>ACS Nano</i> , <b>2018</b> , 12, 2211-2221	16.7	15
216	Announcing the 2018 ACS Nano Lectureship Awards. <i>ACS Nano</i> , <b>2018</b> , 12, 1-2	16.7	5
215	Nanoscience and Nanotechnology Research at Peking University. <i>ACS Nano</i> , <b>2018</b> , 12, 4075-4076	16.7	1
214	Precision-Guided Nanospikes for Targeted and High-Throughput Intracellular Gene Delivery. <i>ACS Nano</i> , <b>2018</b> , 12, 4503-4511	16.7	76

213	Supramolecular Assemblies on Surfaces: Nanopatterning, Functionality, and Reactivity. <i>ACS Nano</i> , <b>2018</b> , 12, 7445-7481	16.7	146
212	Large-Area, Ultrathin Metal-Oxide Semiconductor Nanoribbon Arrays Fabricated by Chemical Lift-Off Lithography. <i>Nano Letters</i> , <b>2018</b> , 18, 5590-5595	11.5	15
211	Envisioning Scientific Innovation in Korea's Demilitarized Zone: A Step toward Economic Progress and Global Peace. <i>ACS Nano</i> , <b>2018</b> , 12, 5073-5077	16.7	0
210	Precision Medicine in Pediatric Neurooncology: A Review. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 11-28	5.7	7
209	Aptamer-field-effect transistors overcome Debye length limitations for small-molecule sensing. <i>Science</i> , <b>2018</b> , 362, 319-324	33.3	287
208	Small-Molecule Patterning via Prefunctionalized Alkanethiols. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4017-4030	10.6	12
207	Aptamer Recognition of Multiplexed Small-Molecule-Functionalized Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 23490-23500	9.5	19
206	Cross-Linked Fluorescent Supramolecular Nanoparticles for Intradermal Controlled Release of Antifungal Drug-A Therapeutic Approach for Onychomycosis. <i>ACS Nano</i> , <b>2018</b> , 12, 6851-6859	16.7	11
205	Two-Dimensional Compact Variational Mode Decomposition. <i>Journal of Mathematical Imaging and Vision</i> , <b>2017</b> , 58, 294-320	1.6	24
204	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , <b>2017</b> , 11, 1123-1126	16.7	3
203	Interplay between materials and microfluidics. <i>Nature Reviews Materials</i> , <b>2017</b> , 2,	73.3	179
202	Polymer-Pen Chemical Lift-Off Lithography. <i>Nano Letters</i> , <b>2017</b> , 17, 3302-3311	11.5	30
201	Accelerating Advances in Science, Engineering, and Medicine through Nanoscience and Nanotechnology. <i>ACS Nano</i> , <b>2017</b> , 11, 3423-3424	16.7	6
200	Emerging Trends in Micro- and Nanoscale Technologies in Medicine: From Basic Discoveries to Translation. <i>ACS Nano</i> , <b>2017</b> , 11, 5195-5214	16.7	78
199	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , <b>2017</b> , 11, 2313-2381	16.7	714
198	Prof. Millie Dresselhaus (1930-2017), Carbon Nanomaterials Pioneer. <i>ACS Nano</i> , <b>2017</b> , 11, 2307-2308	16.7	1
197	NaTiO Nanoplatelets and Nanosheets Derived from a Modified Exfoliation Process for Use as a High-Capacity Sodium-Ion Negative Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1416-1423	28.5	54
196	Connecting Together Nanocenters around the World. <i>ACS Nano</i> , <b>2017</b> , 11, 8531-8532	16.7	3

195	Multiple-Patterning Nanosphere Lithography for Fabricating Periodic Three-Dimensional Hierarchical Nanostructures. <i>ACS Nano</i> , <b>2017</b> , 11, 10384-10391	16.7	63
194	Patterning of supported gold monolayers via chemical lift-off lithography. <i>Beilstein Journal of Nanotechnology</i> , <b>2017</b> , 8, 2648-2661	3	15
193	Image segmentation with dynamic artifacts detection and bias correction. <i>Inverse Problems and Imaging</i> , <b>2017</b> , 11, 577-600	2.1	16
192	Porous Multishelled Ni <sub>2</sub> P Hollow Microspheres as an Active Electrocatalyst for Hydrogen and Oxygen Evolution. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8539-8547	9.6	195
191	Work Function Control of Germanium through Carborane-Carboxylic Acid Surface Passivation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34592-34596	9.5	28
190	Advancing Biocapture Substrates via Chemical Lift-Off Lithography. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6829-6839	9.6	19
189	Self-Collapse Lithography. <i>Nano Letters</i> , <b>2017</b> , 17, 5035-5042	11.5	16
188	Lithium-Ion Insertion Properties of Solution-Exfoliated Germanane. <i>ACS Nano</i> , <b>2017</b> , 11, 7995-8001	16.7	48
187	Understanding How Sterols Regulate Membrane Remodeling in Supported Lipid Bilayers. <i>Langmuir</i> , <b>2017</b> , 33, 14756-14765	4	19
186	Effects of Embedded Dipole Layers on Electrostatic Properties of Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 15815-15830	3.8	35
185	Analyzing Spin Selectivity in DNA-Mediated Charge Transfer via Fluorescence Microscopy. <i>ACS Nano</i> , <b>2017</b> , 11, 7516-7526	16.7	57
184	Evolution of Cell Size Homeostasis and Growth Rate Diversity during Initial Surface Colonization of <i>Shewanella oneidensis</i> . <i>ACS Nano</i> , <b>2016</b> , 10, 9183-9192	16.7	13
183	Patients, Here Comes More Nanotechnology. <i>ACS Nano</i> , <b>2016</b> , 10, 8139-42	16.7	37
182	ChemRxiv: A Chemistry Preprint Server. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2937	4.9	
181	Copper Ion Binding Site in $\beta$ -Amyloid Peptide. <i>Nano Letters</i> , <b>2016</b> , 16, 6282-6289	11.5	32
180	Nanoelectronic Investigation Reveals the Electrochemical Basis of Electrical Conductivity in <i>Shewanella</i> and <i>Geobacter</i> . <i>ACS Nano</i> , <b>2016</b> , 10, 9919-9926	16.7	34
179	Hexagons to Ribbons: Flipping Cyanide on Au{111}. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15580-15586	16.4	7
178	Surface Structure and Electron Transfer Dynamics of the Self-Assembly of Cyanide on Au{111}. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 26736-26746	3.8	15



177	Stealth Immune Properties of Graphene Oxide Enabled by Surface-Bound Complement Factor H. <i>ACS Nano</i> , <b>2016</b> , 10, 10161-10172	16.7	35
176	Nanotechnology Education for the Global World: Training the Leaders of Tomorrow. <i>ACS Nano</i> , <b>2016</b> , 10, 5595-9	16.7	23
175	Tools for the Microbiome: Nano and Beyond. <i>ACS Nano</i> , <b>2016</b> , 10, 6-37	16.7	99
174	Mapping Buried Hydrogen-Bonding Networks. <i>ACS Nano</i> , <b>2016</b> , 10, 5446-51	16.7	19
173	Surface Dipole Control of Liquid Crystal Alignment. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5957-67	16.4	71
172	Nano on reflection. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 828-834	28.7	25
171	Nano Day: Celebrating the Next Decade of Nanoscience and Nanotechnology. <i>ACS Nano</i> , <b>2016</b> , 10, 9093-9103	16.7	56
170	Self-Assembled p-Carborane Analogue of p-Mercaptobenzoic Acid on Au{111}. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5425-5435	9.6	17
169	Controlling Motion at the Nanoscale: Rise of the Molecular Machines. <i>ACS Nano</i> , <b>2015</b> , 9, 7746-68	16.7	339
168	Reply to "Comment on "Bottom-up graphene-nanoribbon fabrication reveals chiral edges and enantioselectivity". <i>ACS Nano</i> , <b>2015</b> , 9, 3404-5	16.7	17
167	Defect-Tolerant Aligned Dipoles within Two-Dimensional Plastic Lattices. <i>ACS Nano</i> , <b>2015</b> , 9, 4734-42	16.7	26
166	A conversation with Prof. Zhong Lin Wang, energy harvester. <i>ACS Nano</i> , <b>2015</b> , 9, 2221-6	16.7	6
165	Fabrication of High-Performance Ultrathin In <sub>2</sub> O <sub>3</sub> Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. <i>ACS Nano</i> , <b>2015</b> , 9, 4572-82	16.7	117
164	Holey Graphene as a Weed Barrier for Molecules. <i>ACS Nano</i> , <b>2015</b> , 9, 10909-15	16.7	28
163	Printable Ultrathin Metal Oxide Semiconductor-Based Conformal Biosensors. <i>ACS Nano</i> , <b>2015</b> , 9, 12174-81	16.7	105
162	Controlled DNA Patterning by Chemical Lift-Off Lithography: Matrix Matters. <i>ACS Nano</i> , <b>2015</b> , 9, 11439-54	16.7	36
161	Self-Assembly Strategy for Fabricating Connected Graphene Nanoribbons. <i>ACS Nano</i> , <b>2015</b> , 9, 12035-44	16.7	68
160	Exchange reactions between alkanethiolates and alkaneselenols on Au{111}. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8110-21	16.4	35



159	Mastering the Art of Scientific Publication. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3519-21	6.4	4
158	Bottom-up graphene-nanoribbon fabrication reveals chiral edges and enantioselectivity. <i>ACS Nano</i> , <b>2014</b> , 8, 9181-7	16.7	169
157	Interface control in organic electronics using mixed monolayers of carboranethiol isomers. <i>Nano Letters</i> , <b>2014</b> , 14, 2946-51	11.5	75
156	Molecular flux dependence of chemical patterning by microcontact printing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10310-6	9.5	8
155	Differentiating amino acid residues and side chain orientations in peptides using scanning tunneling microscopy. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18528-35	16.4	33
154	Molecular switches and motors on surfaces. <i>Annual Review of Physical Chemistry</i> , <b>2013</b> , 64, 605-30	15.7	107
153	From the bottom up: dimensional control and characterization in molecular monolayers. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 2725-45	58.5	136
152	Nanotools for neuroscience and brain activity mapping. <i>ACS Nano</i> , <b>2013</b> , 7, 1850-66	16.7	248
151	Neuroscience. The brain activity map. <i>Science</i> , <b>2013</b> , 339, 1284-5	33.3	147
150	Viologen-mediated assembly of and sensing with carboxylatopillar[5]arene-modified gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1570-6	16.4	402
149	Controlling the band gap energy of cluster-assembled materials. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 2385-95	24.3	73
148	Small-Molecule Arrays for Sorting G-Protein-Coupled Receptors. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 22362-22368	3.8	11
147	Photoreaction of matrix-isolated dihydroazulene-functionalized molecules on Au{111}. <i>Nano Letters</i> , <b>2013</b> , 13, 337-43	11.5	19
146	Photoresponsive molecules in well-defined nanoscale environments. <i>Advanced Materials</i> , <b>2013</b> , 25, 302-14	14	53
145	Electronic substrate-mediated interactions. <i>Surface Science Reports</i> , <b>2012</b> , 67, 19-81	12.9	65
144	Comparison of attitudes about polio, polio immunization, and barriers to polio eradication between primary health center physicians and private pediatricians in India. <i>International Journal of Infectious Diseases</i> , <b>2012</b> , 16, e417-23	10.5	3
143	On the stability of an unsupported mercury-mercury bond linking group 15 Zintl clusters. <i>Dalton Transactions</i> , <b>2012</b> , 41, 5454-7	4.3	13
142	Synthesis, structure and band gap energy of covalently linked cluster-assembled materials. <i>Dalton Transactions</i> , <b>2012</b> , 41, 12365-77	4.3	24

141	Effect of Tether Conductivity on the Efficiency of Photoisomerization of Azobenzene-Functionalized Molecules on Au{111}. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2388-94	6.4	22
140	Palladium in the Gap: Cluster Assemblies with Band Edges Localized on Linkers. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 10207-10214	3.8	8
139	Subtractive patterning via chemical lift-off lithography. <i>Science</i> , <b>2012</b> , 337, 1517-21	33.3	115
138	Imaging physical phenomena with local probes: From electrons to photons. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 1343-1381	40.5	70
137	The state of nanoparticle-based nanoscience and biotechnology: progress, promises, and challenges. <i>ACS Nano</i> , <b>2012</b> , 6, 8468-83	16.7	188
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