

# George M Whitesides

## 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.

415  
papers

104,216  
citations

129  
h-index

321  
g-index

431  
ext. papers

113,939  
ext. citations

11.2  
avg, IF

8.62  
L-index

#	Paper	IF	Citations
415	An outlook on microfluidics: the promise and the challenge.. <i>Lab on A Chip</i> , <b>2022</b> ,	7.2	8
414	An all-solid-state thin-layer laminated cell for calibration-free coulometric determination of K+. <i>Electrochimica Acta</i> , <b>2022</b> , 408, 139946	6.7	0
413	A buckling-sheet ring oscillator for electronics-free, multimodal locomotion.. <i>Science Robotics</i> , <b>2022</b> , 7, eabg5812	18.6	4
412	The Soft Compiler: A Web-Based Tool for the Design of Modular Pneumatic Circuits for Soft Robots. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 1-1	4.2	2
411	Magnetic fields enhance mass transport during electrocatalytic reduction of CO <sub>2</sub> . <i>Chem Catalysis</i> , <b>2022</b> ,		4
410	Nonlinear Phenomena in Microfluidics.. <i>Chemical Reviews</i> , <b>2022</b> ,	68.1	5
409	Tube-Balloon Logic for the Exploration of Fluidic Control Elements. <i>IEEE Robotics and Automation Letters</i> , <b>2022</b> , 7, 5483-5488	4.2	1
408	Storing and Reading Information in Mixtures of Fluorescent Molecules. <i>ACS Central Science</i> , <b>2021</b> , 7, 1728-1735	17.3	7
407	Characterizing Chelation at Surfaces by Charge Tunneling. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 5967-5977	16.4	3
406	Rectification in Molecular Tunneling Junctions Based on Alkanethiolates with Bipyridine-Metal Complexes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2156-2163	16.4	15
405	Elastic-instability-enabled locomotion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	4
404	Conformation, and Charge Tunneling through Molecules in SAMs. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3481-3493	16.4	11
403	<b>2020</b> ,		7
402	Smart Thermally Actuating Textiles. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000383	6.8	10
401	Analysis of Powders Containing Illicit Drugs Using Magnetic Levitation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 884-891	3.6	4
400	Analysis of Powders Containing Illicit Drugs Using Magnetic Levitation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 874-881	16.4	15
399	Magnetische Levitation in Chemie, Materialwissenschaft und Biochemie. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17962-18011	3.6	3

398	Röntgenbild: Analysis of Powders Containing Illicit Drugs Using Magnetic Levitation (Angew. Chem. 2/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 972-972	3.6	
397	Robotic Textiles: Smart Thermally Actuating Textiles (Adv. Mater. Technol. 8/2020). <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2070050	6.8	
396	Magnetic Levitation in Chemistry, Materials Science, and Biochemistry. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17810-17855	16.4	40
395	Ionic liquid-based reference electrodes for miniaturized ion sensors: What can go wrong?. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 301, 127112	8.5	11
394	A soft ring oscillator. <i>Science Robotics</i> , <b>2019</b> , 4,	18.6	64
393	Dipole-Induced Rectification Across Ag/SAM//GaO/EGaIn Junctions. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8969-8980	16.4	29
392	Bacteria-in-paper, a versatile platform to study bacterial ecology. <i>Ecology Letters</i> , <b>2019</b> , 22, 1316-1323	10	3
391	Robustness, Entrainment, and Hybridization in Dissipative Molecular Networks, and the Origin of Life. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8289-8295	16.4	23
390	Storage of Information Using Small Organic Molecules. <i>ACS Central Science</i> , <b>2019</b> , 5, 911-916	16.8	44
389	Charge Transport through Self-Assembled Monolayers of Monoterpenoids. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8097-8102	16.4	5
388	Digital logic for soft devices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 7750-7759	11.5	89
387	Fabricating 3D Structures by Combining 2D Printing and Relaxation of Strain. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800299	6.8	26
386	Charge Transport through Self-Assembled Monolayers of Monoterpenoids. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8181-8186	3.6	2
385	Soft kink valves. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2019</b> , 131, 230-239	5	14
384	Paper-based potentiometric sensing of free bilirubin in blood serum. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 126, 115-121	11.8	42
383	The Molecular Origin of Enthalpy/Entropy Compensation in Biomolecular Recognition. <i>Annual Review of Biophysics</i> , <b>2018</b> , 47, 223-250	21.1	82
382	Soft Robotics. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4258-4273	16.4	307
381	Open-Source Potentiostat for Wireless Electrochemical Detection with Smartphones. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6240-6246	7.8	165

380	Complex Organic Synthesis: Structure, Properties, and/or Function?. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 142-150	3.4	16
379	Curiosity and Science. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4126-4129	16.4	7
378	Neugier und Wissenschaft. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4192-4196	3.6	5
377	Influence of the Contact Area on the Current Density across Molecular Tunneling Junctions Measured with EGaIn Top-Electrodes. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 129-137	9.6	26
376	Slit Tubes for Semisoft Pneumatic Actuators. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704446	24	44
375	A Common Mechanism Links Activities of Butyrate in the Colon. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 1291-1298	13	13
374	A soft, bistable valve for autonomous control of soft actuators. <i>Science Robotics</i> , <b>2018</b> , 3,	18.6	169
373	Soft-Robotik. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4336-4353	3.6	13
372	Sliding-strip microfluidic device enables ELISA on paper. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 99, 77-84	11.8	85
371	Dynamically Actuated Liquid-Infused Poroelastic Film with Precise Control over Droplet Dynamics. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802632	15.6	33
370	Autocatalytic Cycles in a Copper-Catalyzed Azide-Alkyne Cycloaddition Reaction. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10221-10232	16.4	37
369	High-Throughput Density Measurement Using Magnetic Levitation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7510-7518	16.4	27
368	Handheld isothermal amplification and electrochemical detection of DNA in resource-limited settings. <i>Analytical Biochemistry</i> , <b>2018</b> , 543, 116-121	3.1	55
367	A Soft Tube-Climbing Robot. <i>Soft Robotics</i> , <b>2018</b> , 5, 133-137	9.2	64
366	Droplet Dynamics: Dynamically Actuated Liquid-Infused Poroelastic Film with Precise Control over Droplet Dynamics (Adv. Funct. Mater. 39/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870277	15.6	
365	"Axial" Magnetic Levitation Using Ring Magnets Enables Simple Density-Based Analysis, Separation, and Manipulation. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12239-12245	7.8	39
364	The Rate of Charge Tunneling in EGaIn Junctions Is Not Sensitive to Halogen Substituents at the Self-Assembled Monolayer//GaO Interface. <i>ACS Nano</i> , <b>2018</b> , 12, 10221-10230	16.7	14
363	A Transparent Membrane for Active Noise Cancellation. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800653	5.6	13

362	Ion sensing with thread-based potentiometric electrodes. <i>Lab on A Chip</i> , <b>2018</b> , 18, 2279-2290	7.2	47
361	Fabrication of Paper-Templated Structures of Noble Metals. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600229	6.8	16
360	Water-Restructuring Mutations Can Reverse the Thermodynamic Signature of Ligand Binding to Human Carbonic Anhydrase. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3833-3837	16.4	24
359	Anomalously Rapid Tunneling: Charge Transport across Self-Assembled Monolayers of Oligo(ethylene glycol). <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7624-7631	16.4	33
358	ArthroBots. <i>Soft Robotics</i> , <b>2017</b> , 4, 183-190	9.2	45
357	Soft, Rotating Pneumatic Actuator. <i>Soft Robotics</i> , <b>2017</b> , 4, 297-304	9.2	44
356	Electrical Textile Valves for Paper Microfluidics. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702894	24	51
355	Magnetic Levitation To Characterize the Kinetics of Free-Radical Polymerization. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18688-18697	16.4	32
354	Negative-Pressure Soft Linear Actuator with a Mechanical Advantage. <i>Advanced Materials Technologies</i> , <b>2017</b> , 2, 1600164	6.8	45
353	Soft Mobile Robots with On-Board Chemical Pressure Generation. <i>Springer Tracts in Advanced Robotics</i> , <b>2017</b> , 525-540	0.5	52
352	An integrated design and fabrication strategy for entirely soft, autonomous robots. <i>Nature</i> , <b>2016</b> , 536, 451-5	50.4	1073
351	Coated and uncoated cellophane as materials for microplates and open-channel microfluidics devices. <i>Lab on A Chip</i> , <b>2016</b> , 16, 3885-3897	7.2	19
350	Biom mineralization Guided by Paper Templates. <i>Scientific Reports</i> , <b>2016</b> , 6, 27693	4.9	35
349	A three-dimensional actuated origami-inspired transformable metamaterial with multiple degrees of freedom. <i>Nature Communications</i> , <b>2016</b> , 7, 10929	17.4	219
348	Acetylation of Surface Lysine Groups of a Protein Alters the Organization and Composition of Its Crystal Contacts. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 6461-8	3.4	7
347	Fabrication of Nonperiodic Metasurfaces by Microlens Projection Lithography. <i>Nano Letters</i> , <b>2016</b> , 16, 4125-32	11.5	23
346	A Paper-Based "Pop-up" Electrochemical Device for Analysis of Beta-Hydroxybutyrate. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6326-33	7.8	120
345	Integrating Electronics and Microfluidics on Paper. <i>Advanced Materials</i> , <b>2016</b> , 28, 5054-63	24	176

344	Paper-Based Electrical Respiration Sensor. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5821-5826	3.6	28
343	High-Sensitivity Measurement of Density by Magnetic Levitation. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2666-747.8	7.8	45
342	Nerve growth factor stimulates axon outgrowth through negative regulation of growth cone actomyosin restraint of microtubule advance. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 500-17	3.5	31
341	Physical-Organic Chemistry: A Swiss Army Knife. <i>Israel Journal of Chemistry</i> , <b>2016</b> , 56, 66-82	3.4	19
340	Tilted Magnetic Levitation Enables Measurement of the Complete Range of Densities of Materials with Low Magnetic Permeability. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1252-7	16.4	43
339	Electroanalytical devices with pins and thread. <i>Lab on A Chip</i> , <b>2016</b> , 16, 112-9	7.2	47
338	Analytical Devices Based on Direct Synthesis of DNA on Paper. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 725-31	7.8	34
337	Buckling Pneumatic Linear Actuators Inspired by Muscle. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600635	15	151
336	Linear Actuators: Buckling Pneumatic Linear Actuators Inspired by Muscle (Adv. Mater. Technol. 3/2016). <i>Advanced Materials Technologies</i> , <b>2016</b> , 1,	6.8	1
335	Paper Actuators: Electrically Activated Paper Actuators (Adv. Funct. Mater. 15/2016). <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2398-2398	15.6	2
334	Fibroblasts Enhance Migration of Human Lung Cancer Cells in a Paper-Based Coculture System. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 641-7, 626	10.1	42
333	Paper-Based Electrical Respiration Sensor. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5727-32	16.4	250
332	Electrically Activated Paper Actuators. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2446-2453	15.6	113
331	John D. Roberts (1918-2016). <i>Science</i> , <b>2016</b> , 354, 1382	33.3	
330	Metabolic response of lung cancer cells to radiation in a paper-based 3D cell culture system. <i>Biomaterials</i> , <b>2016</b> , 95, 47-59	15.6	49
329	Tunneling across SAMs Containing Oligophenyl Groups. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 11331-11337	13.8	135
328	Diagnosis of iron deficiency anemia using density-based fractionation of red blood cells. <i>Lab on A Chip</i> , <b>2016</b> , 16, 3929-3939	7.2	15
327	Autocatalytic, bistable, oscillatory networks of biologically relevant organic reactions. <i>Nature</i> , <b>2016</b> , 537, 656-60	50.4	179

326	Characterizing the metal-SAM interface in tunneling junctions. <i>ACS Nano</i> , <b>2015</b> , 9, 1471-7	16.7	35
325	A paper-based invasion assay: assessing chemotaxis of cancer cells in gradients of oxygen. <i>Biomaterials</i> , <b>2015</b> , 52, 262-71	15.6	111
324	Using magnetic levitation for non-destructive quality control of plastic parts. <i>Advanced Materials</i> , <b>2015</b> , 27, 1587-92	24	38
323	Reply to Sullivan and Cruz: Defense of a simplified physical model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E4165	11.5	1
322	SOFT ROBOTICS. A 3D-printed, functionally graded soft robot powered by combustion. <i>Science</i> , <b>2015</b> , 349, 161-5	33.3	608
321	"Paper Machine" for Molecular Diagnostics. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7595-601	7.8	223
320	Fractionating Polymer Microspheres as Highly Accurate Density Standards. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7485-91	7.8	18
319	From the bench to the field in low-cost diagnostics: two case studies. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5836-53	16.4	114
318	Molecular series-tunneling junctions. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5948-54	16.4	21
317	Combining Step Gradients and Linear Gradients in Density. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6158-64	7.8	9
316	Interactions between Hofmeister anions and the binding pocket of a protein. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3859-66	16.4	76
315	Fluorination, and tunneling across molecular junctions. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3852-8	16.4	38
314	Disulfide-Based Diblock Copolymer Worm Gels: A Wholly-Synthetic Thermoreversible 3D Matrix for Sheet-Based Cultures. <i>Biomacromolecules</i> , <b>2015</b> , 16, 3952-8	6.9	53
313	Broadly available imaging devices enable high-quality low-cost photometry. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9170-8	7.8	84
312	Mechanical Model of Globular Transition in Polymers. <i>ChemPlusChem</i> , <b>2015</b> , 80, 37-41	2.8	3
311	Metal-amplified Density Assays, (MADAs), including a Density-Linked Immunosorbent Assay (DeLISA). <i>Lab on A Chip</i> , <b>2015</b> , 15, 1009-22	7.2	27
310	Titelbild: We Create Chemistry for a Sustainable Future – Chemie schafft nachhaltige Lösungen für eine wachsende Weltbevölkerung / Chemie neu erfinden (Angew. Chem. 11/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3195-3195	3.6	
309	Bioinspiration: something for everyone. <i>Interface Focus</i> , <b>2015</b> , 5, 20150031	3.9	64

308	Emergence of reconfigurable wires and spinners via dynamic self-assembly. <i>Scientific Reports</i> , <b>2015</b> , 5, 9528	4.9	43
307	Charge Tunneling along Short Oligoglycine Chains. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 14956-14960	3.6	8
306	Vom Labortisch zur Feldforschung: zwei Fallstudien kostengünstiger Diagnostik. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5932-5951	3.6	7
305	Buckling of Elastomeric Beams Enables Actuation of Soft Machines. <i>Advanced Materials</i> , <b>2015</b> , 27, 6323-24	7.4	182
304	Chemie neu erfinden. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3238-3253	3.6	14
303	Charge Tunneling along Short Oligoglycine Chains. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 14743-7	16.4	30
302	Warning signals for eruptive events in spreading fires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2378-83	11.5	18
301	Reinventing chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3196-209	16.4	137
300	Stretchable Conductive Composites Based on Metal Wools for Use as Electrical Vias in Soft Devices. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1418-1425	15.6	31
299	Enrichment of reticulocytes from whole blood using aqueous multiphase systems of polymers. <i>American Journal of Hematology</i> , <b>2015</b> , 90, 31-6	7.1	31
298	A Hybrid Combining Hard and Soft Robots. <i>Soft Robotics</i> , <b>2014</b> , 1, 70-74	9.2	157
297	Omniphobic RF Paper Produced by Silanization of Paper with Fluoroalkyltrichlorosilanes. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 60-70	15.6	141
296	Using Paper-Based Diagnostics with High School Students To Model Forensic Investigation and Colorimetric Analysis. <i>Journal of Chemical Education</i> , <b>2014</b> , 91, 107-111	2.4	34
295	Charge transport across insulating self-assembled monolayers: non-equilibrium approaches and modeling to relate current and molecular structure. <i>ACS Nano</i> , <b>2014</b> , 8, 12428-36	16.7	25
294	Odd-even effects in charge transport across n-alkanethiolate-based SAMs. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16919-25	16.4	80
293	Ionic skin. <i>Advanced Materials</i> , <b>2014</b> , 26, 7608-14	24	760
292	Control of soft machines using actuators operated by a Braille display. <i>Lab on A Chip</i> , <b>2014</b> , 14, 189-99	7.2	56
291	Density-based separation in multiphase systems provides a simple method to identify sickle cell disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 14864-9	11.5	92



290	Pneumatic Networks for Soft Robotics that Actuate Rapidly. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2163-2170	15.6	763
289	Noncontact orientation of objects in three-dimensional space using magnetic levitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12980-5	11.5	59
288	Separation and enrichment of enantiopure from racemic compounds using magnetic levitation. <i>Chemical Communications</i> , <b>2014</b> , 50, 7548-51	5.8	19
287	Universal mobile electrochemical detector designed for use in resource-limited applications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 11984-9	11.5	212
286	Introducing ionic and/or hydrogen bonds into the SAM//Ga <sub>2</sub> O <sub>3</sub> top-interface of Ag(TS)/S(CH <sub>2</sub> ) <sub>n</sub> T//Ga <sub>2</sub> O <sub>3</sub> /EGaIn junctions. <i>Nano Letters</i> , <b>2014</b> , 14, 3521-6	11.5	35
285	Paper-based potentiometric ion sensing. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9548-53	7.8	117
284	The rate of charge tunneling is insensitive to polar terminal groups in self-assembled monolayers in Ag(TS)S(CH <sub>2</sub> )(n)M(CH <sub>2</sub> )(m)T//Ga <sub>2</sub> O <sub>3</sub> /EGaIn junctions. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16-9	16.4	90
283	A Resilient, Untethered Soft Robot. <i>Soft Robotics</i> , <b>2014</b> , 1, 213-223	9.2	612
282	Influence of Environment on the Measurement of Rates of Charge Transport across AgTS/SAM//Ga <sub>2</sub> O <sub>3</sub> /EGaIn Junctions. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3938-3947	9.6	41
281	Fabrication of Low-Cost Paper-Based Microfluidic Devices by Embossing or Cut-and-Stack Methods. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4230-4237	9.6	111
280	Soft Actuators and Robots that Are Resistant to Mechanical Damage. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 3003-3010	15.6	152
279	Replacing AgTSSCH <sub>2</sub> -R with AgTSO <sub>2</sub> C-R in EGaIn-Based Tunneling Junctions Does Not Significantly Change Rates of Charge Transport. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3970-3974	3.6	4
278	Miniature objective lens with variable focus for confocal endomicroscopy. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 4350-61	3.5	8
277	Replacing Ag(TS)SCH <sub>2</sub> -R with Ag(TS)O <sub>2</sub> C-R in EGaIn-based tunneling junctions does not significantly change rates of charge transport. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3889-93	16.4	42
276	Magnetic Assembly of Soft Robots with Hard Components. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2180-2187	9.2	18798
275	Pneumatic Energy Sources for Autonomous and Wearable Soft Robotics. <i>Soft Robotics</i> , <b>2014</b> , 1, 263-274	9.2	160
274	Stepped Moduli in Layered Composites. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, n/a-n/a	15.6	8
273	Elastomeric Tiles for the Fabrication of Inflatable Structures. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5541-5549	15.6	40

272	Rectification in tunneling junctions: 2,2'-bipyridyl-terminated n-alkanethiolates. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 17155-62	16.4	78
271	An untethered jumping soft robot <b>2014</b> ,		73
270	Is it the shape of the cavity, or the shape of the water in the cavity?. <i>European Physical Journal: Special Topics</i> , <b>2014</b> , 223, 853-891	2.3	101
269	Evaluation of a density-based rapid diagnostic test for sickle cell disease in a clinical setting in Zambia. <i>PLoS ONE</i> , <b>2014</b> , 9, e114540	3.7	35
268	Analyzing forensic evidence based on density with magnetic levitation. <i>Journal of Forensic Sciences</i> , <b>2013</b> , 58, 40-5	1.8	46
267	Using magnetic levitation to separate mixtures of crystal polymorphs. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 10208-11	16.4	50
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