

# Paolo Samor

## 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.

380  
papers

18,005  
citations

74  
h-index

119  
g-index

413  
ext. papers

20,210  
ext. citations

12.8  
avg, IF

7.14  
L-index

#	Paper	IF	Citations
380	Tuning interfacial charge transfer in atomically precise nanographene-graphene heterostructures by engineering van der Waals interactions.. <i>Journal of Chemical Physics</i> , <b>2022</b> , 156, 074702	3.9	1
379	Boosting the electronic and catalytic properties of 2D semiconductors with supramolecular 2D hydrogen-bonded superlattices.. <i>Nature Communications</i> , <b>2022</b> , 13, 510	17.4	6
378	Asymmetric Chemical Functionalization of Top-Contact Electrodes: Tuning the Charge Injection for High Performance MoS Field-Effect Transistors and Schottky Diodes.. <i>Advanced Materials</i> , <b>2022</b> , e2109444	24	1
377	Janus 2D materials asymmetric molecular functionalization.. <i>Chemical Science</i> , <b>2022</b> , 13, 315-328	9.4	6
376	High-Performance Humidity Sensing in Conjugated Molecular Assemblies through the Engineering of Electron/Proton Transport and Device Interfaces.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	3
375	Small Size, Big Impact: Recent Progress in Bottom-Up Synthesized Nanographenes for Optoelectronic and Energy Applications.. <i>Advanced Science</i> , <b>2022</b> , e2106055	13.6	5
374	A robust vertical nanoscaffold for recyclable, paintable, and flexible light-emitting devices.. <i>Science Advances</i> , <b>2022</b> , 8, eabn2225	14.3	3
373	Dinaphthotetrathienoacenes: Synthesis, Characterization, and Applications in Organic Field-Effect Transistors.. <i>Advanced Science</i> , <b>2022</b> , e2105674	13.6	3
372	Non-invasive digital etching of van der Waals semiconductors.. <i>Nature Communications</i> , <b>2022</b> , 13, 1844	17.4	1
371	Quantum Capacitance through Molecular Infiltration of 7,7,8,8-Tetracyanoquinodimethane in Metal-Organic Framework/Covalent Organic Framework Hybrids. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
370	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	7
369	Field-effect-transistor-based ion sensors: ultrasensitive mercury(II) detection healing MoS defects. <i>Nanoscale</i> , <b>2021</b> , 13, 19682-19689	7.7	2
368	Solution-Processed Graphene-Nanographene van der Waals Heterostructures for Photodetectors with Efficient and Ultralong Charge Separation. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17109-17116	16.4	8
367	Au(111) Surface Contamination in Ambient Conditions: Unravelling the Dynamics of the Work Function in Air. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100068	4.6	2
366	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Field-Effect Transistors. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007965	24	25
365	Oxidant-dependent antioxidant activity of polydopamine films: The chemistry-morphology interplay. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 614, 126134	5.1	6
364	2D MXene-Molecular Hybrid Additive for High-Performance Ambipolar Polymer Field-Effect Transistors and Logic Gates. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008215	24	7

363	Graphene-Based Cementitious Composites: Toward Next-Generation Construction Technologies. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101887	15.6	11
362	Ternary-Responsive Field-Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Few-Layer WSe <sub>2</sub> . <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102721	15.6	8
361	Wafer-Scale and Full-Coverage Two-Dimensional Molecular Monolayers Strained by Solvent Surface Tension Balance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 26218-26226	9.5	4
360	Electrochemically Exfoliated Graphene for High-Durability Cement Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23000-23010	9.5	2
359	Molecular Doping of 2D Indium Selenide for Ultrahigh Performance and Low-Power Consumption Broadband Photodetectors. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103353	15.6	6
358	Supramolecular engineering of charge transfer in wide bandgap organic semiconductors with enhanced visible-to-NIR photoresponse. <i>Nature Communications</i> , <b>2021</b> , 12, 3667	17.4	8
357	Graphene-Based Hybrid Functional Materials. <i>Small</i> , <b>2021</b> , 17, e2100514	11	8
356	Asymmetric Dressing of WSe with (Macro)molecular Switches: Fabrication of Quaternary-Responsive Transistors. <i>ACS Nano</i> , <b>2021</b> , 15, 10668-10677	16.7	8
355	Self-Assembly of Functionalized Lipophilic Guanosines into Cation-Free Stacked Guanine-Quartets. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 9970-9978	4.2	0
354	Universal Fabrication of Highly Efficient Plasmonic Thin-Films for Label-Free SERS Detection. <i>Small</i> , <b>2021</b> , 17, e2100755	11	8
353	Molecular Donor-Acceptor Dyads for Efficient Single-Material Organic Solar Cells. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000653	17	17
352	Harnessing Selectivity and Sensitivity in Ion Sensing via Supramolecular Recognition: A 3D Hybrid Gold Nanoparticle Network Chemiresistor. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008554	15.6	4
351	Chemical sensing with Au and Ag nanoparticles. <i>Chemical Society Reviews</i> , <b>2021</b> , 50, 1269-1304	58.5	24
350	Harnessing selectivity in chemical sensing supramolecular interactions: from functionalization of nanomaterials to device applications. <i>Materials Horizons</i> , <b>2021</b> , 8, 2685-2708	14.4	6
349	High-sorption terpyridine-graphene oxide hybrid for the efficient removal of heavy metal ions from wastewater. <i>Nanoscale</i> , <b>2021</b> , 13, 10490-10499	7.7	4
348	2D materials production and generation of functional inks: general discussion. <i>Faraday Discussions</i> , <b>2021</b> , 227, 141-162	3.6	2
347	Synthesis and characterization of ultralong copper sulfide nanowires and their electrical properties. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 12133-12140	7.1	2
346	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. <i>ACS Nano</i> , <b>2021</b> , 15, 2654-2667	16.7	5

345	Functionalized 4,4'-Bipyridines: Synthesis and 2D Organization on Highly Oriented Pyrolytic Graphite. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 3356-3366	4.2	1
344	Covalently interconnected transition metal dichalcogenide networks via defect engineering for high-performance electronic devices. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 592-598	28.7	22
343	Analysis of External and Internal Disorder to Understand Band-Like Transport in n-Type Organic Semiconductors. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007870	24	8
342	Graphene: A Disruptive Opportunity for COVID-19 and Future Pandemics?. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007847	24	16
341	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14236-14250	16.4	26
340	Synaptic Plasticity Powering Long-Afterglow Organic Light-Emitting Transistors. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103369	24	12
339	Light-Programmable Logic-in-Memory in 2D Semiconductors Enabled by Supramolecular Functionalization: Photoresponsive Collective Effect of Aligned Molecular Dipoles. <i>ACS Nano</i> , <b>2021</b> ,	16.7	6
338	Highly Sensitive Strain Sensors Based on Molecules-Gold Nanoparticles Networks for High-Resolution Human Pulse Analysis. <i>Small</i> , <b>2021</b> , 17, e2007593	11	14
337	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14356-14370	3.6	1
336	Photomodulation of Charge Transport in All-Semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001268	24	9
335	X-Ray-Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. <i>Small</i> , <b>2020</b> , 16, e2002063	11	6
334	Engineering Optically Switchable Transistors with Improved Performance by Controlling Interactions of Diarylethenes in Polymer Matrices. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11050-11059	16.4	24
333	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 9330-9337	7.8	17
332	Controlled functionalization of carbon nanodots for targeted intracellular production of reactive oxygen species. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 1240-1249	10.8	19
331	Nitrogen-Doped Carbon Dots/TiO <sub>2</sub> Nanoparticle Composites for Photoelectrochemical Water Oxidation. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 3371-3381	5.6	34
330	Molecular Approach to Electrochemically Switchable Monolayer MoS <sub>2</sub> Transistors. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000740	24	26
329	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Aza-Diels-Alder Reaction: Towards High-Performance Supercapacitor Materials. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19770-19777	3.6	11
328	Collective Dipole-Dominated Doping of Monolayer MoS <sub>2</sub> : Orientation and Magnitude Control via the Supramolecular Approach. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002846	15.6	15

327	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Aza-Diels-Alder Reaction: Towards High-Performance Supercapacitor Materials. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19602-19609	16.4	56
326	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7387-7398	3.6	8
325	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
324	Simultaneous Optical Tuning of Hole and Electron Transport in Ambipolar WSe Interfaced with a Bicomponent Photochromic Layer: From High-Mobility Transistors to Flexible Multilevel Memories. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907903	24	19
323	Simultaneous non-covalent bi-functionalization of 1T-MoS ruled by electrostatic interactions: towards multi-responsive materials. <i>Chemical Communications</i> , <b>2020</b> , 56, 6878-6881	5.8	4
322	The Role of Morphology in Optically Switchable Transistors Based on a Photochromic Molecule/p-Type Polymer Semiconductor Blend. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1907507	15.6	14
321	Tetrapodal Diazatriptycene Enforces Orthogonal Orientation in Self-Assembled Monolayers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6565-6572	9.5	6
320	Phototuning Selectively Hole and Electron Transport in Optically Switchable Ambipolar Transistors. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908944	15.6	18
319	Graphene oxide-mesoporous SiO <sub>2</sub> hybrid composite for fast and efficient removal of organic cationic contaminants. <i>Carbon</i> , <b>2020</b> , 158, 193-201	10.4	24
318	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7319-7330	16.4	15
317	Effect of temperature and exfoliation time on the properties of chemically exfoliated MoS <sub>2</sub> nanosheets. <i>Chemical Communications</i> , <b>2020</b> , 56, 15573-15576	5.8	4
316	Organic photodetectors based on supramolecular nanostructures. <i>SmartMat</i> , <b>2020</b> , 1,	22.8	60
315	Comparative Effects of Graphene and Molybdenum Disulfide on Human Macrophage Toxicity. <i>Small</i> , <b>2020</b> , 16, e2002194	11	15
314	Reduced graphene oxide-silsesquioxane hybrid as a novel supercapacitor electrode. <i>Nanoscale</i> , <b>2020</b> , 12, 18733-18741	7.7	6
313	Ultrafast and Highly Sensitive Chemically Functionalized Graphene Oxide-Based Humidity Sensors: Harnessing Device Performances via the Supramolecular Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44017-44025	9.5	14
312	Graphene transistors for real-time monitoring molecular self-assembly dynamics. <i>Nature Communications</i> , <b>2020</b> , 11, 4731	17.4	12
311	Molecular Functionalization of Chemically Active Defects in WSe <sub>2</sub> for Enhanced Opto-Electronics. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2005045	15.6	6
310	Atom-Thick Membranes for Water Purification and Blue Energy Harvesting. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1902394	15.6	25

309	Tuning the Optical and Electrical Properties of Few-Layer Black Phosphorus via Physisorption of Small Solvent Molecules. <i>Small</i> , <b>2019</b> , 15, e1903432	11	17
308	Tuning graphene transistors through ad hoc electrostatics induced by a nanometer-thick molecular underlayer. <i>Nanoscale</i> , <b>2019</b> , 11, 19705-19712	7.7	10
307	Boosting and Balancing Electron and Hole Mobility in Single- and Bilayer WSe Devices Tailored Molecular Functionalization. <i>ACS Nano</i> , <b>2019</b> , 13, 11613-11622	16.7	26
306	Dynamic covalent conjugated polymer epitaxy on graphene. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12240-12247	7.1	5
305	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806663	14.6	145
304	Charge transport enhancement in supramolecular oligothiophene assemblies using Pt(II) centers as a guide. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16777-16784	13	4
303	Tailoring the physicochemical properties of solution-processed transition metal dichalcogenides via molecular approaches. <i>Chemical Communications</i> , <b>2019</b> , 55, 8900-8914	5.8	15
302	Photomodulation of Two-Dimensional Self-Assembly of Azobenzene-Hexa-peri-hexabenzocoronene-Azobenzene Triads. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6979-6985	9.6	13
301	A New Class of Rigid Multi(azobenzene) Switches Featuring Electronic Decoupling: Unravelling the Isomerization in Individual Photochromes. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9273-9283	16.4	26
300	Functionalization of 2D Materials with Photosensitive Molecules: From Light-Responsive Hybrid Systems to Multifunctional Devices. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900286	8.1	32
299	High-Performance Graphene-Based Cementitious Composites. <i>Advanced Science</i> , <b>2019</b> , 6, 1801195	13.6	38
298	Production and Patterning of Liquid Phase-Exfoliated 2D Sheets for Applications in Optoelectronics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901126	15.6	45
297	Persian waxing of graphite: towards green large-scale production of graphene. <i>Chemical Communications</i> , <b>2019</b> , 55, 5331-5334	5.8	7
296	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. <i>ACS Nano</i> , <b>2019</b> , 13, 4814-4825	16.7	36
295	Unconventional Nanofabrication for Supramolecular Electronics. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900599	9.4	24
294	Two-dimensional self-assembly and electrical properties of the donor-acceptor tetrathiafulvalene-polychlorotriphenylmethyl radical on graphite substrates. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 142909	2.5	5
293	Nano-Subsidence-Assisted Precise Integration of Patterned Two-Dimensional Materials for High-Performance Photodetector Arrays. <i>ACS Nano</i> , <b>2019</b> , 13, 2654-2662	16.7	8
292	Water-Dispersed High-Quality Graphene: A Green Solution for Efficient Energy Storage Applications. <i>ACS Nano</i> , <b>2019</b> , 13, 9431-9441	16.7	22



291	Modulating the Charge Transport in 2D Semiconductors via Energy-Level Phototuning. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903402	24	21
290	Chemical Synthesis at Surfaces with Atomic Precision: Taming Complexity and Perfection. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18758-18775	16.4	8
289	3D hybrid networks of gold nanoparticles: mechanoresponsive electrical humidity sensors with on-demand performances. <i>Nanoscale</i> , <b>2019</b> , 11, 19319-19326	7.7	14
288	Chemische Synthese an Oberflächen mit Präzision in atomarer Größenordnung: Beherrschung von Komplexität und Genauigkeit. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 18932-18951	3.6	
287	2D hybrid networks of gold nanoparticles: mechanoresponsive optical humidity sensors. <i>Nanoscale</i> , <b>2019</b> , 11, 19315-19318	7.7	10
286	Enhancement of Charge Transport in Polythiophene Semiconducting Polymer by Blending with Graphene Nanoparticles. <i>ChemPlusChem</i> , <b>2019</b> , 84, 1366-1374	2.8	2
285	Liquid-Gated Transistors Based on Reduced Graphene Oxide for Flexible and Wearable Electronics. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905375	15.6	19
284	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 347-353	28.7	87
283	Covalently linked donor-acceptor dyad for efficient single material organic solar cells. <i>Chemical Communications</i> , <b>2019</b> , 55, 14202-14205	5.8	17
282	Controlling Ambipolar Transport and Voltage Inversion in Solution-Processed Thin-Film Devices through Polymer Blending. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6491-6498	9.6	11
281	Novel Keplerate type polyoxometalate-surfactant-graphene hybrids as advanced electrode materials for supercapacitors. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 186-193	19.4	19
280	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 540-547	6.4	34
279	Molecule-Graphene Hybrid Materials with Tunable Mechanoresponse: Highly Sensitive Pressure Sensors for Health Monitoring. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804600	24	103
278	Graphene Oxide Hybrid with Sulfur-Nitrogen Polymer for High-Performance Pseudocapacitors. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 482-487	16.4	38
277	Oxacycle-Fused [1]Benzothieno[3,2-b][1]benzothiophene Derivatives: Synthesis, Electronic Structure, Electrochemical Properties, Ionisation Potential, and Crystal Structure. <i>ChemPlusChem</i> , <b>2019</b> , 84, 1263-1269	2.8	4
276	Phenoxyaluminum(salophen) Scaffolds: Synthesis, Electrochemical Properties, and Self-Assembly at Surfaces of Multifunctional Systems. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11954-11960	4.8	5
275	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. <i>Materials Horizons</i> , <b>2018</b> , 5, 423-428	14.4	37
274	When 2D Materials Meet Molecules: Opportunities and Challenges of Hybrid Organic/Inorganic van der Waals Heterostructures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706103	24	140

273	Imine-Based Architectures at Surfaces and Interfaces: From Self-Assembly to Dynamic Covalent Chemistry in 2D. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 465-481	4.5	28
272	Graphene exfoliation in the presence of semiconducting polymers for improved film homogeneity and electrical performances. <i>Carbon</i> , <b>2018</b> , 130, 495-502	10.4	10
271	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9384-9390	13	61
270	Modular Preparation of Graphene-Based Functional Architectures through Two-Step Organic Reactions: Towards High-Performance Energy Storage. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18518-18528	4.8	10
269	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 6845-6888	58.5	139
268	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. <i>Nature Communications</i> , <b>2018</b> , 9, 2661	17.4	42
267	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6984-6990	16.4	47
266	(Supra)molecular Approaches to 2D Materials: from Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1572-1573	0.5	
265	Self-Assembled Two-Dimensional Supramolecular Networks Characterized by Scanning Tunneling Microscopy and Spectroscopy in Air and under Vacuum. <i>Langmuir</i> , <b>2018</b> , 34, 7698-7707	4	4
264	Current crowding issues on nanoscale planar organic transistors for spintronic applications. <i>Nanotechnology</i> , <b>2018</b> , 29, 365201	3.4	1
263	Concentration-dependent supramolecular patterns of C and C symmetric molecules at the solid/liquid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 168, 211-216	6	6
262	Self-Assembly of Functionalized Oligothiophene into Hygroscopic Fibers: Fabrication of Highly Sensitive and Fast Humidity Sensors. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700382	6.4	9
261	Fluorescence Commutation and Surface Photopatterning with Porphyrin Tetrathienylethene Switches. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1631-1639	4.8	6
260	Thermal insulation with 2D materials: liquid phase exfoliated vermiculite functional nanosheets. <i>Nanoscale</i> , <b>2018</b> , 10, 23182-23190	7.7	14
259	Printing 2D Materials <b>2018</b> , 131-205		4
258	Electronic Decoupling in C-Symmetrical Light-Responsive Tris(Azobenzene) Scaffolds: Self-Assembly and Multiphotochromism. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16062-16070	16.4	23
257	Self-Suspended Nanomesh Scaffold for Ultrafast Flexible Photodetectors Based on Organic Semiconducting Crystals. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801181	24	24
256	MoS <sub>2</sub> nanosheets via electrochemical lithium-ion intercalation under ambient conditions. <i>FlatChem</i> , <b>2018</b> , 9, 33-39	5.1	28



255	Chemical sensing with 2D materials. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4860-4908	58.5	317
254	Fast-Response Photonic Device Based on Organic-Crystal Heterojunctions Assembled into a Vertical-Yet-Open Asymmetric Architecture. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605760	24	16
253	High, Anisotropic, and Substrate-Independent Mobility in Polymer Field-Effect Transistors Based on Preassembled Semiconducting Nanofibrils. <i>ACS Nano</i> , <b>2017</b> , 11, 2000-2007	16.7	6
252	Engineering Chemically Active Defects in Monolayer MoS Transistors via Ion-Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606760	24	116
251	Photoisomerisation and light-induced morphological switching of a polyoxometalate-azobenzene hybrid. <i>Chemical Communications</i> , <b>2017</b> , 53, 7278-7281	5.8	16
250	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6669-6675	16.4	110
249	Generation of Low-Dimensional Architectures through the Self-Assembly of Pyromellitic Diimide Derivatives. <i>ACS Omega</i> , <b>2017</b> , 2, 1672-1678	3.9	4
248	Improving the electrical performance of solution processed oligothiophene thin-film transistors via structural similarity blending. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5048-5054	7.1	1
247	Ultraschnelle Schichtablösung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6770-6776	3.6	9
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239	Asymmetric Injection in Organic Transistors via Direct SAM Functionalization of Source and Drain Electrodes. <i>ACS Omega</i> , <b>2017</b> , 2, 3502-3508	3.9	10
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236	Exfoliation of Few-Layer Graphene in Volatile Solvents Using Aromatic Perylene Diimide Derivatives as Surfactants. <i>ChemPlusChem</i> , <b>2017</b> , 82, 358-367	2.8	16
235	Discrete polygonal supramolecular architectures of isocytosine-based Pt(II) complexes at the solution/graphite interface. <i>Chemical Communications</i> , <b>2016</b> , 52, 11163-6	5.8	7
234	Modifying the Size of Ultrasound-Induced Liquid-Phase Exfoliated Graphene: From Nanosheets to Nanodots. <i>ACS Nano</i> , <b>2016</b> , 10, 10768-10777	16.7	45
233	2D Materials Beyond Graphene for High-Performance Energy Storage Applications. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600671	21.8	301
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231	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. <i>Nature Communications</i> , <b>2016</b> , 7, 11090	17.4	85
230	Coupling carbon nanomaterials with photochromic molecules for the generation of optically responsive materials. <i>Nature Communications</i> , <b>2016</b> , 7, 11118	17.4	181
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228	Atomically Precise Prediction of 2D Self-Assembly of Weakly Bonded Nanostructures: STM Insight into Concentration-Dependent Architectures. <i>Small</i> , <b>2016</b> , 12, 343-50	11	28
227	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , <b>2016</b> , 15, 1017-22	27	111
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225	Flexible non-volatile optical memory thin-film transistor device with over 256 distinct levels based on an organic bicomponent blend. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 769-75	28.7	222
224	Molecular design driving tetraporphyrin self-assembly on graphite: a joint STM, electrochemical and computational study. <i>Nanoscale</i> , <b>2016</b> , 8, 13678-86	7.7	19
223	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. <i>ACS Nano</i> , <b>2016</b> , 10, 7125-34	16.7	102
222	Modular Graphene-Based 3D Covalent Networks: Functional Architectures for Energy Applications. <i>Small</i> , <b>2016</b> , 12, 1044-52	11	22
221	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with Functionalized Alkanes. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2714-21	6.4	64
220	Hybrid Organic/Photochromic Approaches to Generate Multifunctional Materials, Interfaces, and Devices <b>2016</b> , 243-280		

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218	Optical Input/Electrical Output Memory Elements based on a Liquid Crystalline Azobenzene Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6563-9	9.5	23
217	Influence of the supramolecular order on the electrical properties of 1D coordination polymers based materials. <i>Nanoscale</i> , <b>2016</b> , 8, 2386-94	7.7	7
216	Charge transport and mobility engineering in two-dimensional transition metal chalcogenide semiconductors. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 118-51	58.5	311
215	Perchlorination of Coronene Enhances its Propensity for Self-Assembly on Graphene. <i>ChemPhysChem</i> , <b>2016</b> , 17, 330-330	3.2	
214	Supramolecular Approaches to Graphene: From Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. <i>Advanced Materials</i> , <b>2016</b> , 28, 6030-51	24	132
213	Light-Modulation of the Charge Injection in a Polymer Thin-Film Transistor by Functionalizing the Electrodes with Bistable Photochromic Self-Assembled Monolayers. <i>Advanced Materials</i> , <b>2016</b> , 28, 6606-11	24	50
212	Perchlorination of Coronene Enhances its Propensity for Self-Assembly on Graphene. <i>ChemPhysChem</i> , <b>2016</b> , 17, 352-7	3.2	21
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210	Carbon-Passivated Ni Electrodes for Charge Injection in Organic Semiconductors. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500501	4.6	3
209	Direct Patterning of Organic Functional Polymers through Conventional Photolithography and Noninvasive Cross-Link Agents. <i>Advanced Materials</i> , <b>2016</b> , 28, 5249-54	24	14
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203	High-Performance Phototransistors Based on PDIF-CN2 Solution-Processed Single Fiber and Multifiber Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9829-38	9.5	30
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167	STM Characterization of Supramolecular Materials with Potential for Organic Electronics and Nanotechnology <b>2014</b> , 457-490		
166	Chromophoric Polyisocyanide Materials <b>2014</b> , 135-154		

165	Molecules on Gold Surfaces: What They Do and How They Go Around to Do It <b>2014</b> , 55-78		
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