

Paolo Samor

List of Publications by Citations

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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	Graphene via sonication assisted liquid-phase exfoliation. <i>Chemical Society Reviews</i> , 2014 , 43, 381-98	58.5	837
379	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002 , 1, 160-4	27	419
378	Chemical sensing with 2D materials. <i>Chemical Society Reviews</i> , 2018 , 47, 4860-4908	58.5	317
377	Charge transport and mobility engineering in two-dimensional transition metal chalcogenide semiconductors. <i>Chemical Society Reviews</i> , 2016 , 45, 118-51	58.5	311
376	2D Materials Beyond Graphene for High-Performance Energy Storage Applications. <i>Advanced Energy Materials</i> , 2016 , 6, 1600671	21.8	301
375	Adsorption of Aromatic and Anti-Aromatic Systems on Graphene through π -stacking. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 3407-3412	6.4	294
374	High-contrast visualization of graphene oxide on dye-sensitized glass, quartz, and silicon by fluorescence quenching. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15576-7	16.4	267
373	Light-powered electrical switch based on cargo-lifting azobenzene monolayers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3407-9	16.4	260
372	Towards supramolecular engineering of functional nanomaterials: pre-programming multi-component 2D self-assembly at solid-liquid interfaces. <i>Advanced Materials</i> , 2010 , 22, 3506-20	24	256
371	Cooperative light-induced molecular movements of highly ordered azobenzene self-assembled monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9937-42	11.5	251
370	Organic Radical-Assisted Electrochemical Exfoliation for the Scalable Production of High-Quality Graphene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13927-32	16.4	239
369	Azobenzenes as light-controlled molecular electronic switches in nanoscale metal-molecule-metal junctions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9192-3	16.4	234
368	25th anniversary article: organic electronics marries photochromism: generation of multifunctional interfaces, materials, and devices. <i>Advanced Materials</i> , 2014 , 26, 1827-45	24	226
367	Flexible non-volatile optical memory thin-film transistor device with over 256 distinct levels based on an organic bicomponent blend. <i>Nature Nanotechnology</i> , 2016 , 11, 769-75	28.7	222
366	Optically switchable transistor via energy-level phototuning in a bicomponent organic semiconductor. <i>Nature Chemistry</i> , 2012 , 4, 675-9	17.6	194
365	Degradation of Methylammonium Lead Iodide Perovskite Structures through Light and Electron Beam Driven Ion Migration. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 561-6	6.4	193
364	Coupling carbon nanomaterials with photochromic molecules for the generation of optically responsive materials. <i>Nature Communications</i> , 2016 , 7, 11118	17.4	181

363	Self-Assembly of a Conjugated Polymer: From Molecular Rods to a Nanoribbon Architecture with Molecular Dimensions. <i>Chemistry - A European Journal</i> , 1999 , 5, 2312-2317	4.8	181
362	Coherent Coupling of WS ₂ Monolayers with Metallic Photonic Nanostructures at Room Temperature. <i>Nano Letters</i> , 2016 , 16, 4368-74	11.5	180
361	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
360	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. <i>Small</i> , 2015 , 11, 3985-94	11.4	176
359	Molecular self-assembly across multiple length scales. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4428-32	16.4	164
358	Processing of giant graphene molecules by soft-landing mass spectrometry. <i>Nature Materials</i> , 2006 , 5, 276-80	27	161
357	Predicting self-assembly: from empirism to determinism. <i>Chemical Society Reviews</i> , 2012 , 41, 3713-30	58.5	158
356	Epitaxial composite layers of electron donors and acceptors from very large polycyclic aromatic hydrocarbons. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9454-7	16.4	150
355	Nanoscale quantitative measurement of the potential of charged nanostructures by electrostatic and Kelvin probe force microscopy: unraveling electronic processes in complex materials. <i>Accounts of Chemical Research</i> , 2010 , 43, 541-50	24.3	147
354	Blueprinting macromolecular electronics. <i>Nature Chemistry</i> , 2011 , 3, 431-6	17.6	146
353	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , 2019 , 31, e180663	24.4	145
352	Tuning the work-function via strong coupling. <i>Advanced Materials</i> , 2013 , 25, 2481-5	24	144
351	Dynamers at the solid-liquid interface: controlling the reversible assembly/reassembly process between two highly ordered supramolecular guanine motifs. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 1963-6	16.4	144
350	The self-assembly of lipophilic guanosine derivatives in solution and on solid surfaces. <i>Chemistry - A European Journal</i> , 2000 , 6, 3242-8	4.8	143
349	When 2D Materials Meet Molecules: Opportunities and Challenges of Hybrid Organic/Inorganic van der Waals Heterostructures. <i>Advanced Materials</i> , 2018 , 30, e1706103	24	140
348	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2018 , 47, 6845-6888	58.5	139
347	Optically switchable transistors by simple incorporation of photochromic systems into small-molecule semiconducting matrices. <i>Nature Communications</i> , 2015 , 6, 6330	17.4	139
346	Concentration-dependent supramolecular engineering of hydrogen-bonded nanostructures at surfaces: predicting self-assembly in 2D. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6942-50	16.4	132

345	Supramolecular Approaches to Graphene: From Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. <i>Advanced Materials</i> , 2016 , 28, 6030-51	24	132
344	Optical modulation of the charge injection in an organic field-effect transistor based on photochromic self-assembled-monolayer-functionalized electrodes. <i>Advanced Materials</i> , 2011 , 23, 1447-52	24	128
343	Local current mapping and patterning of reduced graphene oxide. <i>Journal of the American Chemical Society</i> , 2010 , 132, 14130-6	16.4	126
342	Self-Assembly of a Donor-Acceptor Dyad Across Multiple Length Scales: Functional Architectures for Organic Electronics. <i>Advanced Functional Materials</i> , 2009 , 19, 2486-2494	15.6	126
341	Tailoring bicomponent supramolecular nanoporous networks: phase segregation, polymorphism, and glasses at the solid-liquid interface. <i>Journal of the American Chemical Society</i> , 2009 , 131, 13062-71	16.4	126
340	Charge transport in graphene/polythiophene blends as studied by Kelvin Probe Force Microscopy and transistor characterization. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2924		122
339	Supramolecular helices via self-assembly of 8-oxoguanosines. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14741-9	16.4	117
338	Unraveling Unprecedented Charge Carrier Mobility through Structure Property Relationship of Four Isomers of Didodecyl[1]benzothieno[3,2-b][1]benzothiophene. <i>Advanced Materials</i> , 2016 , 28, 7106-14	24	117
337	Engineering Chemically Active Defects in Monolayer MoS Transistors via Ion-Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. <i>Advanced Materials</i> , 2017 , 29, 1606760	24	116
336	Photovoltaic charge generation visualized at the nanoscale: a proof of principle. <i>Journal of the American Chemical Society</i> , 2008 , 130, 780-1	16.4	112
335	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , 2016 , 15, 1017-22	27	111
334	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 6669-6675	16.4	110
333	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. <i>Nanoscale</i> , 2013 , 5, 4205-16	7.7	109
332	Self-assembly of electron donor-acceptor dyads into ordered architectures in two and three dimensions: surface patterning and columnar "double cables". <i>Journal of the American Chemical Society</i> , 2004 , 126, 3567-75	16.4	107
331	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. <i>Nature Chemistry</i> , 2014 , 6, 1017-23	17.6	106
330	Molecule-Graphene Hybrid Materials with Tunable Mechanoresponse: Highly Sensitive Pressure Sensors for Health Monitoring. <i>Advanced Materials</i> , 2019 , 31, e1804600	24	103
329	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. <i>ACS Nano</i> , 2016 , 10, 7125-34	16.7	102
328	Engineering of supramolecular H-bonded nanopolygons via self-assembly of programmed molecular modules. <i>Journal of the American Chemical Society</i> , 2009 , 131, 509-20	16.4	102

327	Molecular tectonics on surfaces: Bottom-up fabrication of 1D coordination networks that form 1D and 2D arrays on graphite. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 245-9	16.4	101
326	Scanning probe microscopies beyond imaging. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1353-1366		101
325	Shape-persistent macrocycles with terpyridine units: synthesis, characterization, and structure in the crystal. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6907-18	16.4	99
324	Supramolecular staircase via self-assembly of disklike molecules at the solid-liquid interface. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11462-7	16.4	96
323	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , 2002 , 35, 5290-5294	5.5	91
322	Guanosine-based Hydrogen-bonded Scaffolds: Controlling the Assembly of Oligothiophenes. <i>Advanced Materials</i> , 2008 , 20, 2433-2438	24	88
321	Tuning the photoresponse in organic field-effect transistors. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2429-33	16.4	87
320	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , 2019 , 14, 347-353	28.7	87
319	Ordered architectures of a soluble hexa-peri-hexabenzocoronene-pyrene dyad: thermotropic bulk properties and nanoscale phase segregation at surfaces. <i>Journal of the American Chemical Society</i> , 2003 , 125, 9734-9	16.4	86
318	Extended triphenylenes: synthesis, mesomorphic properties and molecularly resolved scanning tunneling microscopy images of hexakis(dialkoxyphenyl)triphenylenes and dodeca(alkoxy)tris(triphenylenylene)s. <i>Journal of Materials Chemistry</i> , 2000 , 10, 1519-1525		86
317	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. <i>Nature Communications</i> , 2016 , 7, 11090	17.4	85
316	Harnessing the liquid-phase exfoliation of graphene using aliphatic compounds: a supramolecular approach. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10355-61	16.4	82
315	Large work function shift of gold induced by a novel perfluorinated azobenzene-based self-assembled monolayer. <i>Advanced Materials</i> , 2013 , 25, 432-6	24	81
314	The relationship between nanoscale architecture and function in photovoltaic multichromophoric arrays as visualized by Kelvin probe force microscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14605-14	16.4	80
313	Multicomponent monolayer architectures at the solid-liquid interface: towards controlled space-confined properties and reactivity of functional building blocks. <i>Small</i> , 2007 , 3, 190-4	11	79
312	Dynamic materials through metal-directed and solvent-driven self-assembly of cavitands. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 1384-7	16.4	78
311	Reversible, Fast, and Wide-Range Oxygen Sensor Based on Nanostructured Organometal Halide Perovskite. <i>Advanced Materials</i> , 2017 , 29, 1702469	24	77
310	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel-Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 2348-2350	16.4	77

309	A supramolecular strategy to leverage the liquid-phase exfoliation of graphene in the presence of surfactants: unraveling the role of the length of fatty acids. <i>Small</i> , 2015 , 11, 1691-702	11	76
308	Non-conventional Processing and Post-processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. <i>Advanced Functional Materials</i> , 2011 , 21, 1279-1295	15.6	76
307	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9052		74
306	Single Component Self-Assembled Monolayers of Aromatic Azo-Biphenyl: Influence of the Packing Tightness on the SAM Structure and Light-Induced Molecular Movements. <i>Advanced Functional Materials</i> , 2008 , 18, 2972-2983	15.6	74
305	Exploring supramolecular interactions and architectures by scanning force microscopies. <i>Chemical Society Reviews</i> , 2005 , 34, 551-61	58.5	74
304	Graphene nanoribbon blends with P3HT for organic electronics. <i>Nanoscale</i> , 2014 , 6, 6301-14	7.7	73
303	Light-Powered Electrical Switch Based on Cargo-Lifting Azobenzene Monolayers. <i>Angewandte Chemie</i> , 2008 , 120, 3455-3457	3.6	72
302	Atomistic simulations of 2D bicomponent self-assembly: from molecular recognition to self-healing. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17880-5	16.4	70
301	Electronic Transport Properties of Ensembles of Perylene-Substituted Poly-isocyanopeptide Arrays. <i>Advanced Functional Materials</i> , 2008 , 18, 3947-3955	15.6	68
300	Photoswitching vertically oriented azobenzene self-assembled monolayers at the solid-liquid interface. <i>Chemistry - A European Journal</i> , 2010 , 16, 14256-60	4.8	66
299	Self-Assembly of an Amphiphilic π -Conjugated Dyad into Fibers: Ultrafast and Ultrasensitive Humidity Sensor. <i>Advanced Materials</i> , 2015 , 27, 3170-4	24	64
298	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with π -Functionalized Alkanes. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2714-21	6.4	64
297	A nanomesh scaffold for supramolecular nanowire optoelectronic devices. <i>Nature Nanotechnology</i> , 2016 , 11, 900-906	28.7	63
296	Enhancing the Liquid-Phase Exfoliation of Graphene in Organic Solvents upon Addition of n-Octylbenzene. <i>Scientific Reports</i> , 2015 , 5, 16684	4.9	63
295	Pre-programmed bicomponent porous networks at the solid-liquid interface: the low concentration regime. <i>Chemical Communications</i> , 2008 , 5289-91	5.8	63
294	"Helter-skelter-like" perylene polyisocyanopeptides. <i>Chemistry - A European Journal</i> , 2009 , 15, 2536-47	4.8	62
293	STM insight into hydrogen-bonded bicomponent 1D supramolecular polymers with controlled geometries at the liquid-solid interface. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 2039-43	16.4	62
292	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9384-9390	13	61

291	Optically switchable organic field-effect transistors based on photoresponsive gold nanoparticles blended with poly(3-hexylthiophene). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 12375-80	11.5	60
290	Organic photodetectors based on supramolecular nanostructures. <i>SmartMat</i> , 2020 , 1,	22.8	60
289	Solvent vapour annealing of organic thin films: controlling the self-assembly of functional systems across multiple length scales. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2493		57
288	Light-responsive reversible solvation and precipitation of gold nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 1147-9	5.8	57
287	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. <i>Nature Communications</i> , 2017 , 8, 14767	17.4	56
286	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> , 2020 , 59, 19602-19609	16.4	56
285	Synthesis and Solid State Structures of Functionalized Phenyleneethynylene Trimers in 2D and 3D. <i>Chemistry of Materials</i> , 2003 , 15, 1032-1039	9.6	55
284	Hybrid Copper-Nanowire-Reduced-Graphene-Oxide Coatings: A "Green Solution" Toward Highly Transparent, Highly Conductive, and Flexible Electrodes for (Opto)Electronics. <i>Advanced Materials</i> , 2017 , 29, 1703225	24	54
283	Modulating the charge injection in organic field-effect transistors: fluorinated oligophenyl self-assembled monolayers for high work function electrodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3007-3015	7.1	54
282	Tip-Sample Interactions in Kelvin Probe Force Microscopy: Quantitative Measurement of the Local Surface Potential. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 17368-17377	3.8	52
281	Self-assembly of an alkylated guanosine derivative into ordered supramolecular nanoribbons in solution and on solid surfaces. <i>Chemistry - A European Journal</i> , 2007 , 13, 3757-64	4.8	52
280	Self-assembly of discotic molecules into mesoscopic crystals by solvent-vapour annealing. <i>Soft Matter</i> , 2008 , 4, 2064	3.6	51
279	Graphene transistors via in situ voltage-induced reduction of graphene-oxide under ambient conditions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14320-6	16.4	50
278	The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7055-63	16.4	50
277	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> , 2016 , 28, 6606-11	14	50
276	Supramolecular assembly/reassembly processes: molecular motors and dynamers operating at surfaces. <i>Nanoscale</i> , 2011 , 3, 1397-410	7.7	49
275	Temperature-enhanced solvent vapor annealing of a C ₃ symmetric hexa-peri-hexabenzocoronene: controlling the self-assembly from nano- to macroscale. <i>Small</i> , 2009 , 5, 112-9	11	49
274	Modulating large-area self-assembly at the solid-liquid interface by pH-mediated conformational switching. <i>Chemistry - A European Journal</i> , 2009 , 15, 4788-92	4.8	48

273	SFM Characterization of Poly(isocyanodipeptide) Single Polymer Chains in Controlled Environments: Effect of Tip Adhesion and Chain Swelling. <i>Macromolecules</i> , 2005 , 38, 473-480	5.5	48
272	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6984-6990	16.4	47
271	Photoinduced structural modifications in multicomponent architectures containing azobenzene moieties as photoswitchable cores. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4715		46
270	Production and Patterning of Liquid Phase Exfoliated 2D Sheets for Applications in Optoelectronics. <i>Advanced Functional Materials</i> , 2019 , 29, 1901126	15.6	45
269	Modifying the Size of Ultrasound-Induced Liquid-Phase Exfoliated Graphene: From Nanosheets to Nanodots. <i>ACS Nano</i> , 2016 , 10, 10768-10777	16.7	45
268	Pyrazolino[60]fullerene-oligophenylenevinylene dumbbell-shaped arrays: synthesis, electrochemistry, photophysics, and self-assembly on surfaces. <i>Chemistry - A European Journal</i> , 2005 , 11, 4405-15	4.8	45
267	Reversible interconversion between a supramolecular polymer and a discrete octameric species from a guanosine derivative by dynamic cation binding and release. <i>Organic Letters</i> , 2006 , 8, 3125-8	6.2	43
266	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. <i>Nature Communications</i> , 2018 , 9, 2661	17.4	42
265	Electronic characterization of supramolecular materials at the nanoscale by Conductive Atomic Force and Kelvin Probe Force microscopies. <i>Materials Today</i> , 2014 , 17, 504-517	21.8	42
264	Surface-induced selection during in situ photoswitching at the solid/liquid interface. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4865-9	16.4	40
263	Elucidating the nanoscale origins of organic electronic function by conductive atomic force microscopy. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3118-3128	7.1	40
262	Molecular Tectonics at the Solid/Liquid Interface: Controlling the Nanoscale Geometry, Directionality, and Packing of 1D Coordination Networks on Graphite Surfaces. <i>Advanced Materials</i> , 2009 , 21, 1131-1136	24	40
261	Self-organized nanofibers from a giant nanographene: effect of solvent and deposition method. <i>Journal of Materials Chemistry</i> , 2006 , 16, 266-271		40
260	Nanoribbons from conjugated macromolecules on amorphous substrates observed by SFM and TEM. <i>Nanotechnology</i> , 1999 , 10, 77-80	3.4	40
259	Self-assembly of Natural and Unnatural Nucleobases at Surfaces and Interfaces. <i>Small</i> , 2016 , 12, 83-95	11	40
258	Self-templating 2D supramolecular networks: a new avenue to reach control over a bilayer formation. <i>Nanoscale</i> , 2011 , 3, 4125-9	7.7	39
257	Ultrathin pi-conjugated polymer films for simple fabrication of large-area molecular junctions. <i>ChemPhysChem</i> , 2007 , 8, 515-8	3.2	39
256	High-Performance Graphene-Based Cementitious Composites. <i>Advanced Science</i> , 2019 , 6, 1801195	13.6	38

255	Molecular tectonics based nanopatterning of interfaces with 2D metal-organic frameworks (MOFs). <i>Chemical Communications</i> , 2014 , 50, 12250-3	5.8	38
254	Exploring nanoscale electrical and electronic properties of organic and polymeric functional materials by atomic force microscopy based approaches. <i>Chemical Communications</i> , 2007 , 3326-37	5.8	38
253	Chemical Approaches to 2D Materials. <i>Advanced Materials</i> , 2016 , 28, 6027-9	24	38
252	Graphene Oxide Hybrid with Sulfur-Nitrogen Polymer for High-Performance Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2019 , 141, 482-487	16.4	38
251	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. <i>Materials Horizons</i> , 2018 , 5, 423-428	14.4	37
250	Functional polymers: scanning force microscopy insights. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 3927-38	3.6	37
249	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. <i>ACS Nano</i> , 2019 , 13, 4814-4825	16.7	36
248	Influence of molecular order on the local work function of nanographene architectures: a Kelvin-probe force microscopy study. <i>ChemPhysChem</i> , 2005 , 6, 2371-5	3.2	35
247	Nitrogen-Doped Carbon Dots/TiO ₂ Nanoparticle Composites for Photoelectrochemical Water Oxidation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3371-3381	5.6	34
246	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 540-547	6.4	34
245	Guanosine-based hydrogen-bonded 2D scaffolds: metal-free formation of G-quartet and G-ribbon architectures at the solid/liquid interface. <i>Chemical Communications</i> , 2015 , 51, 11677-80	5.8	33
244	Functionalization of 2D Materials with Photosensitive Molecules: From Light-Responsive Hybrid Systems to Multifunctional Devices. <i>Advanced Optical Materials</i> , 2019 , 7, 1900286	8.1	32
243	Photoresponse of supramolecular self-assembled networks on graphene-diamond interfaces. <i>Nature Communications</i> , 2016 , 7, 10700	17.4	32
242	The Influence of Thermal Annealing on the Morphology of Sexithienyl Thin Films. <i>Advanced Materials</i> , 1998 , 10, 57-60	24	32
241	Nanoscale electrical investigation of layer-by-layer grown molecular wires. <i>Advanced Materials</i> , 2014 , 26, 1688-93	24	31
240	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gel/Graphite Interface. <i>Angewandte Chemie</i> , 2001 , 113, 2410-2412	3.6	31
239	Graphene/Polymer Nanocomposites for Supercapacitors. <i>ChemNanoMat</i> , 2017 , 3, 362-372	3.5	30
238	Quantitative analysis of scanning tunneling microscopy images of mixed-ligand-functionalized nanoparticles. <i>Langmuir</i> , 2013 , 29, 13723-34	4	30

237	Charge transport in fibre-based perylene-diimide transistors: effect of the alkyl substitution and processing technique. <i>Nanoscale</i> , 2012 , 4, 2387-93	7.7	30
236	Supramolecular architectures. <i>Materials Today</i> , 2004 , 7, 24-32	21.8	30
235	High-Performance Phototransistors Based on PDIF-CN ₂ Solution-Processed Single Fiber and Multifiber Assembly. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9829-38	9.5	30
234	Nanopatterning of Surfaces with Monometallic and Heterobimetallic 1D Coordination Polymers: A Molecular Tectonics Approach at the Solid/Liquid Interface. <i>Journal of the American Chemical Society</i> , 2015 , 137, 8450-9	16.4	29
233	Self-assembly of diphenylalanine backbone homologues and their combination with functionalized carbon nanotubes. <i>Nanoscale</i> , 2015 , 7, 15873-9	7.7	29
232	Imine-Based Architectures at Surfaces and Interfaces: From Self-Assembly to Dynamic Covalent Chemistry in 2D. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 465-481	4.5	28
231	Atomically Precise Prediction of 2D Self-Assembly of Weakly Bonded Nanostructures: STM Insight into Concentration-Dependent Architectures. <i>Small</i> , 2016 , 12, 343-50	11	28
230	A multifunctional polymer-graphene thin-film transistor with tunable transport regimes. <i>ACS Nano</i> , 2015 , 9, 2357-67	16.7	28
229	Enhanced mobility in P3HT-based OTFTs upon blending with a phenylene-thiophene-thiophene-phenylene small molecule. <i>Chemical Communications</i> , 2012 , 48, 1562-4	5.8	28
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