Paolo SamorÃ¬

List of Publications by Year
in descending order

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384 papers	22,741 citations	6254 80 h-index	12597 132 g-index
413 all docs	413 docs citations	413 times ranked	25701 citing authors

#	Article	IF	Citations
1	Vertical organic transistors with short channels for multifunctional optoelectronic devices. Journal of Materials Chemistry C, 2022, 10, 2494-2506.	5.5	13
2	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. Chemical Reviews, 2022, 122, 50-131.	47.7	46
3	Untying the Bundles of Solutionâ€Synthesized Graphene Nanoribbons for Highly Capacitive Microâ€Supercapacitors. Advanced Functional Materials, 2022, 32, 2109543.	14.9	13
4	Tuning interfacial charge transfer in atomically precise nanographeneâ€“graphene heterostructures by engineering van der Waals interactions. Journal of Chemical Physics, 2022, 156, 074702.	3.0	5
5	Metalâ€“biomolecule frameworks (BioMOFs): a novel approach for â€œgreenâ€•optoelectronic applications. Chemical Communications, 2022, 58, 677-680.	4.1	7
6	Boosting the electronic and catalytic properties of 2D semiconductors with supramolecular 2D hydrogen-bonded superlattices. Nature Communications, 2022, 13, 510.	12.8	19
7	Asymmetric Chemical Functionalization of Topâ€Contact Electrodes: Tuning the Charge Injection for Highâ€Performance MoS₂ Fieldâ€Effect Transistors and Schottky Diodes. Advanced Materials, 2022, 34, e2109445.	21.0	17
8	Janus 2D materials via asymmetric molecular functionalization. Chemical Science, 2022, 13, 315-328.	7.4	25
9	High-Performance Humidity Sensing in Ï€-Conjugated Molecular Assemblies through the Engineering of Electron/Proton Transport and Device Interfaces. Journal of the American Chemical Society, 2022, 144, 2546-2555.	13.7	17
10	Small Size, Big Impact: Recent Progress in Bottomâ€Up Synthesized Nanographenes for Optoelectronic and Energy Applications. Advanced Science, 2022, 9, e2106055.	11.2	54
11	Defect Engineering Strategies Toward Controlled Functionalization of Solutionâ€Processed Transition Metal Dichalcogenides. Small Science, 2022, 2, .	9.9	25
12	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. Journal of the American Chemical Society, 2022, 144, 3660-3666.	13.7	56
13	A robust vertical nanoscaffold for recyclable, paintable, and flexible light-emitting devices. Science Advances, 2022, 8, eabn2225.	10.3	10
14	Dinaphthotetrathienoacenes: Synthesis, Characterization, and Applications in Organic Fieldâ€Effect Transistors. Advanced Science, 2022, 9, e2105674.	11.2	6
15	Non-invasive digital etching of van der Waals semiconductors. Nature Communications, 2022, 13, 1844.	12.8	8
16	Schiff base capped gold nanoparticles for transition metal cation sensing in organic media. Chemical Communications, 2022, 58, 5773-5776.	4.1	13
17	Novel thiophene-based donorâ€“acceptor scaffolds as cathodes for rechargeable aqueous zinc-ion hybrid supercapacitors. Chemical Communications, 2022, 58, 6689-6692.	4.1	6
18	Selective Ion Sensing in Artificial Sweat Using Lowâ€Cost Reduced Graphene Oxide Liquidâ€Gated Plastic Transistors. Small, 2022, 18, .	10.0	10

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19	MoS₂ Defect Healing for High-Performance Chemical Sensing of Polycyclic Aromatic Hydrocarbons. ACS Nano, 2022, 16, 11234-11243.	14.6	9
20	Molecular Donorâ€“Acceptor Dyads for Efficient Singleâ€Material Organic Solar Cells. Solar Rrl, 2021, 5, 2000653.	5.8	30
21	Harnessing Selectivity and Sensitivity in Ion Sensing via Supramolecular Recognition: A 3D Hybrid Gold Nanoparticle Network Chemiresistor. Advanced Functional Materials, 2021, 31, 2008554.	14.9	10
22	Chemical sensing with Au and Ag nanoparticles. Chemical Society Reviews, 2021, 50, 1269-1304.	38.1	85
23	Harnessing selectivity in chemical sensing via supramolecular interactions: from functionalization of nanomaterials to device applications. Materials Horizons, 2021, 8, 2685-2708.	12.2	18
24	High-sorption terpyridineâ€“graphene oxide hybrid for the efficient removal of heavy metal ions from wastewater. Nanoscale, 2021, 13, 10490-10499.	5.6	16
25	2D materials production and generation of functional inks: general discussion. Faraday Discussions, 2021, 227, 141-162.	3.2	2
26	Synthesis and characterization of ultralong copper sulfide nanowires and their electrical properties. Journal of Materials Chemistry C, 2021, 9, 12133-12140.	5.5	8
27	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. ACS Nano, 2021, 15, 2654-2667.	14.6	17
28	Functionalized 4,4â€²-Bipyridines: Synthesis and 2D Organization on Highly Oriented Pyrolytic Graphite. Journal of Organic Chemistry, 2021, 86, 3356-3366.	3.2	5
29	Covalently interconnected transition metal dichalcogenide networks via defect engineering for high-performance electronic devices. Nature Nanotechnology, 2021, 16, 592-598.	31.5	74
30	Analysis of External and Internal Disorder to Understand Bandâ€Like Transport in nâ€Type Organic Semiconductors. Advanced Materials, 2021, 33, 2007870.	21.0	24
31	Graphene: A Disruptive Opportunity for COVIDâ€19 and Future Pandemics?. Advanced Materials, 2021, 33, e2007847.	21.0	34
32	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 14236-14250.	13.8	105
33	Au(111) Surface Contamination in Ambient Conditions: Unravelling the Dynamics of the Work Function in Air. Advanced Materials Interfaces, 2021, 8, 2100068.	3.7	12
34	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Fieldâ€Effect Transistors. Advanced Materials, 2021, 33, e2007965.	21.0	52
35	Oxidant-dependent antioxidant activity of polydopamine films: The chemistry-morphology interplay. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126134.	4.7	14
36	2D MXeneâ€“Molecular Hybrid Additive for Highâ€Performance Ambipolar Polymer Fieldâ€Effect Transistors and Logic Gates. Advanced Materials, 2021, 33, e2008215.	21.0	26

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37	Grapheneâ€Based Cementitious Composites: Toward Nextâ€Generation Construction Technologies. Advanced Functional Materials, 2021, 31, 2101887.	14.9	43
38	Ternaryâ€Responsive Fieldâ€Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Fewâ€Layer WSe₂. Advanced Functional Materials, 2021, 31, 2102721.	14.9	15
39	Wafer-Scale and Full-Coverage Two-Dimensional Molecular Monolayers Strained by Solvent Surface Tension Balance. ACS Applied Materials & Interfaces, 2021, 13, 26218-26226.	8.0	5
40	Electrochemically Exfoliated Graphene for High-Durability Cement Composites. ACS Applied Materials & Interfaces, 2021, 13, 23000-23010.	8.0	9
41	Molecular Doping of 2D Indium Selenide for Ultrahigh Performance and Lowâ€Power Consumption Broadband Photodetectors. Advanced Functional Materials, 2021, 31, 2103353.	14.9	17
42	Supramolecular engineering of charge transfer in wide bandgap organic semiconductors with enhanced visible-to-NIR photoresponse. Nature Communications, 2021, 12, 3667.	12.8	30
43	Grapheneâ€Based Hybrid Functional Materials. Small, 2021, 17, e2100514.	10.0	31
44	Asymmetric Dressing of WSe2 with (Macro)molecular Switches: Fabrication of Quaternary-Responsive Transistors. ACS Nano, 2021, 15, 10668-10677.	14.6	14
45	Self-Assembly of Functionalized Lipophilic Guanosines into Cation-Free Stacked Guanine-Quartets. Journal of Organic Chemistry, 2021, 86, 9970-9978.	3.2	2
46	Universal Fabrication of Highly Efficient Plasmonic Thinâ€Films for Labelâ€Free SERS Detection. Small, 2021, 17, e2100755.	10.0	23
47	Synaptic Plasticity Powering Longâ€Afterglow Organic Lightâ€Emitting Transistors. Advanced Materials, 2021, 33, e2103369.	21.0	23
48	Light-Programmable Logic-in-Memory in 2D Semiconductors Enabled by Supramolecular Functionalization: Photoresponsive Collective Effect of Aligned Molecular Dipoles. ACS Nano, 2021, 15, 13732-13741.	14.6	18
49	Biomedical applications: general discussion. Faraday Discussions, 2021, 227, 245-258.	3.2	2
50	Highly Sensitive Strain Sensors Based on Moleculesâ€“Gold Nanoparticles Networks for Highâ€Resolution Human Pulse Analysis. Small, 2021, 17, e2007593.	10.0	47
51	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. Angewandte Chemie, 2021, 133, 14356-14370.	2.0	22
52	Solution-Processed Grapheneâ€“Nanographene van der Waals Heterostructures for Photodetectors with Efficient and Ultralong Charge Separation. Journal of the American Chemical Society, 2021, 143, 17109-17116.	13.7	19
53	Quantum Capacitance through Molecular Infiltration of 7,7,8,8-Tetracyanoquinodimethane in Metalâ€“Organic Framework/Covalent Organic Framework Hybrids. ACS Nano, 2021, 15, 18580-18589.	14.6	30
54	Field-effect-transistor-based ion sensors: ultrasensitive mercury(<scp>ii</scp>) detection via healing MoS₂ defects. Nanoscale, 2021, 13, 19682-19689.	5.6	9

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55	Atomâ€Thick Membranes for Water Purification and Blue Energy Harvesting. Advanced Functional Materials, 2020, 30, 1902394.	14.9	58
56	The Role of Morphology in Optically Switchable Transistors Based on a Photochromic Molecule/pâ€Type Polymer Semiconductor Blend. Advanced Functional Materials, 2020, 30, 1907507.	14.9	20
57	Tetrapodal Diazatriptycene Enforces Orthogonal Orientation in Self-Assembled Monolayers. ACS Applied Materials & Interfaces, 2020, 12, 6565-6572.	8.0	10
58	Phototuning Selectively Hole and Electron Transport in Optically Switchable Ambipolar Transistors. Advanced Functional Materials, 2020, 30, 1908944.	14.9	27
59	Graphene oxide-mesoporous SiO2 hybrid composite for fast and efficient removal of organic cationic contaminants. Carbon, 2020, 158, 193-201.	10.3	36
60	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. Angewandte Chemie - International Edition, 2020, 59, 7319-7330.	13.8	27
61	Effect of temperature and exfoliation time on the properties of chemically exfoliated MoS₂ nanosheets. Chemical Communications, 2020, 56, 15573-15576.	4.1	14
62	Organic photodetectors based on supramolecular nanostructures. SmartMat, 2020, 1, .	10.7	91
63	Comparative Effects of Graphene and Molybdenum Disulfide on Human Macrophage Toxicity. Small, 2020, 16, e2002194.	10.0	30
64	Reduced graphene oxideâ€“silsesquioxane hybrid as a novel supercapacitor electrode. Nanoscale, 2020, 12, 18733-18741.	5.6	16
65	Ultrafast and Highly Sensitive Chemically Functionalized Graphene Oxide-Based Humidity Sensors: Harnessing Device Performances via the Supramolecular Approach. ACS Applied Materials & Interfaces, 2020, 12, 44017-44025.	8.0	28
66	Graphene transistors for real-time monitoring molecular self-assembly dynamics. Nature Communications, 2020, 11, 4731.	12.8	20
67	Molecular Functionalization of Chemically Active Defects in WSe 2 for Enhanced Optoâ€Electronics. Advanced Functional Materials, 2020, 30, 2005045.	14.9	22
68	Photomodulation of Charge Transport in Allâ€Semiconducting 2Dâ€“1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. Advanced Materials, 2020, 32, e2001268.	21.0	20
69	Xâ€Rayâ€Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. Small, 2020, 16, e2002063.	10.0	14
70	Engineering Optically Switchable Transistors with Improved Performance by Controlling Interactions of Diarylethenes in Polymer Matrices. Journal of the American Chemical Society, 2020, 142, 11050-11059.	13.7	37
71	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. Analytical Chemistry, 2020, 92, 9330-9337.	6.5	33
72	Controlled functionalization of carbon nanodots for targeted intracellular production of reactive oxygen species. Nanoscale Horizons, 2020, 5, 1240-1249.	8.0	36

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73	Nitrogen-Doped Carbon Dots/TiO₂ Nanoparticle Composites for Photoelectrochemical Water Oxidation. ACS Applied Nano Materials, 2020, 3, 3371-3381.	5.0	71
74	Molecular Approach to Electrochemically Switchable Monolayer MoS₂ Transistors. Advanced Materials, 2020, 32, e2000740.	21.0	37
75	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Azaâ€Dielsâ€“Alder Reaction: Towards Highâ€Performance Supercapacitor Materials. Angewandte Chemie, 2020, 132, 19770-19777.	2.0	13
76	Collective Dipoleâ€Dominated Doping of Monolayer MoS₂: Orientation and Magnitude Control via the Supramolecular Approach. Advanced Functional Materials, 2020, 30, 2002846.	14.9	27
77	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Azaâ€Dielsâ€“Alder Reaction: Towards Highâ€Performance Supercapacitor Materials. Angewandte Chemie - International Edition, 2020, 59, 19602-19609.	13.8	133
78	Announcing the 2020 ACS Nano Award Lecture Laureates. ACS Nano, 2020, 14, 1213-1215.	14.6	4
79	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. Angewandte Chemie, 2020, 132, 7387-7398.	2.0	10
80	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
81	Simultaneous Optical Tuning of Hole and Electron Transport in Ambipolar WSe₂ Interfaced with a Bicomponent Photochromic Layer: From Highâ€Mobility Transistors to Flexible Multilevel Memories. Advanced Materials, 2020, 32, e1907903.	21.0	29
82	Simultaneous non-covalent bi-functionalization of 1T-MoS₂ ruled by electrostatic interactions: towards multi-responsive materials. Chemical Communications, 2020, 56, 6878-6881.	4.1	7
83	Introduction to â€˜Chemistry of 2D materials: graphene and beyondâ€™. Nanoscale, 2020, 12, 24309-24310.	5.6	7
84	Water-Dispersed High-Quality Graphene: A Green Solution for Efficient Energy Storage Applications. ACS Nano, 2019, 13, 9431-9441.	14.6	33
85	Modulating the Charge Transport in 2D Semiconductors via Energyâ€Level Phototuning. Advanced Materials, 2019, 31, 1903402.	21.0	30
86	Chemical Synthesis at Surfaces with Atomic Precision: Taming Complexity and Perfection. Angewandte Chemie - International Edition, 2019, 58, 18758-18775.	13.8	14
87	3D hybrid networks of gold nanoparticles: mechanoresponsive electrical humidity sensors with on-demand performances. Nanoscale, 2019, 11, 19319-19326.	5.6	17
88	Chemische Synthese an OberflÃchen mit PrÃzision in atomarer GrÃ¶ÃŸenordnung: Beherrschung von KomplexitÃt und Genauigkeit. Angewandte Chemie, 2019, 131, 18932-18951.	2.0	0
89	2D hybrid networks of gold nanoparticles: mechanoresponsive optical humidity sensors. Nanoscale, 2019, 11, 19315-19318.	5.6	15
90	Enhancement of Charge Transport in Polythiophene Semiconducting Polymer by Blending with Graphene Nanoparticles. ChemPlusChem, 2019, 84, 1366-1374.	2.8	3

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91	Liquidâ€Gated Transistors Based on Reduced Graphene Oxide for Flexible and Wearable Electronics. Advanced Functional Materials, 2019, 29, 1905375.	14.9	37
92	From Supramolecular Chemistry to Complex Chemical Systems. Chemistry - A European Journal, 2019, 25, 13229-13230.	3.3	2
93	Tuning the Optical and Electrical Properties of Fewâ€Layer Black Phosphorus via Physisorption of Small Solvent Molecules. Small, 2019, 15, e1903432.	10.0	21
94	Ï€â€Conjugated Molecules: From Structure to Function. ChemPlusChem, 2019, 84, 1177-1178.	2.8	10
95	Tuning graphene transistors through ad hoc electrostatics induced by a nanometer-thick molecular underlayer. Nanoscale, 2019, 11, 19705-19712.	5.6	13
96	Boosting and Balancing Electron and Hole Mobility in Single- and Bilayer WSe₂ Devices via Tailored Molecular Functionalization. ACS Nano, 2019, 13, 11613-11622.	14.6	34
97	Dynamic covalent conjugated polymer epitaxy on graphene. Journal of Materials Chemistry C, 2019, 7, 12240-12247.	5.5	7
98	Nonvolatile Memories Based on Graphene and Related 2D Materials. Advanced Materials, 2019, 31, e1806663.	21.0	230
99	Charge transport enhancement in supramolecular oligothiophene assemblies using Pt(<scp>ii</scp>) centers as a guide. Journal of Materials Chemistry A, 2019, 7, 16777-16784.	10.3	8
100	Tailoring the physicochemical properties of solution-processed transition metal dichalcogenides via molecular approaches. Chemical Communications, 2019, 55, 8900-8914.	4.1	22
101	Photomodulation of Two-Dimensional Self-Assembly of Azobenzeneâ€“Hexa-peri-hexabenzocoroneneâ€“Azobenzene Triads. Chemistry of Materials, 2019, 31, 6979-6985.	6.7	18
102	A New Class of Rigid Multi(azobenzene) Switches Featuring Electronic Decoupling: Unravelling the Isomerization in Individual Photochromes. Journal of the American Chemical Society, 2019, 141, 9273-9283.	13.7	43
103	Interface Engineering in Organic Devices. Advanced Materials Technologies, 2019, 4, 1900303.	5.8	0
104	Functionalization of 2D Materials with Photosensitive Molecules: From Lightâ€Responsive Hybrid Systems to Multifunctional Devices. Advanced Optical Materials, 2019, 7, 1900286.	7.3	44
105	Highâ€Performance Grapheneâ€Based Cementitious Composites. Advanced Science, 2019, 6, 1801195.	11.2	73
106	Production and Patterning of Liquid Phaseâ€“Exfoliated 2D Sheets for Applications in Optoelectronics. Advanced Functional Materials, 2019, 29, 1901126.	14.9	71
107	Persian waxing of graphite: towards green large-scale production of graphene. Chemical Communications, 2019, 55, 5331-5334.	4.1	9
108	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. ACS Nano, 2019, 13, 4814-4825.	14.6	51

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109	Unconventional Nanofabrication for Supramolecular Electronics. Advanced Materials, 2019, 31, e1900599.	21.0	42
110	Two-dimensional self-assembly and electrical properties of the donor-acceptor tetrathiafulvalene-polychlorotriphenylmethyl radical on graphite substrates. Journal of Applied Physics, 2019, 125, 142909.	2.5	5
111	Nano-Subsidence-Assisted Precise Integration of Patterned Two-Dimensional Materials for High-Performance Photodetector Arrays. ACS Nano, 2019, 13, 2654-2662.	14.6	14
112	Optically switchable organic light-emitting transistors. Nature Nanotechnology, 2019, 14, 347-353.	31.5	139
113	Covalently linked donorâ€“acceptor dyad for efficient single material organic solar cells. Chemical Communications, 2019, 55, 14202-14205.	4.1	30
114	Controlling Ambipolar Transport and Voltage Inversion in Solution-Processed Thin-Film Devices through Polymer Blending. Chemistry of Materials, 2019, 31, 6491-6498.	6.7	17
115	Novel Keplerate type polyoxometalate-surfactant-graphene hybrids as advanced electrode materials for supercapacitors. Energy Storage Materials, 2019, 17, 186-193.	18.0	34
116	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. Journal of Physical Chemistry Letters, 2019, 10, 540-547.	4.6	52
117	Moleculeâ€“Graphene Hybrid Materials with Tunable Mechanoresponse: Highly Sensitive Pressure Sensors for Health Monitoring. Advanced Materials, 2019, 31, e1804600.	21.0	159
118	Graphene Oxide Hybrid with Sulfurâ€“Nitrogen Polymer for High-Performance Pseudocapacitors. Journal of the American Chemical Society, 2019, 141, 482-487.	13.7	61
119	Oxacycleâ€Fused [1]Benzothieno[3,2â€b][1]benzothiophene Derivatives: Synthesis, Electronic Structure, Electrochemical Properties, Ionisation Potential, and Crystal Structure. ChemPlusChem, 2019, 84, 1263-1269.	2.8	6
120	Phenoxyaluminum(salophen) Scaffolds: Synthesis, Electrochemical Properties, and Selfâ€Assembly at Surfaces of Multifunctional Systems. Chemistry - A European Journal, 2018, 24, 11954-11960.	3.3	12
121	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. Materials Horizons, 2018, 5, 423-428.	12.2	55
122	When 2D Materials Meet Molecules: Opportunities and Challenges of Hybrid Organic/Inorganic van der Waals Heterostructures. Advanced Materials, 2018, 30, e1706103.	21.0	194
123	Imineâ€Based Architectures at Surfaces and Interfaces: Fromâ€‰Selfâ€Assembly to Dynamic Covalent Chemistry in 2D. Chemistry - an Asian Journal, 2018, 13, 465-481.	3.3	36
124	Graphene exfoliation in the presence of semiconducting polymers for improved film homogeneity and electrical performances. Carbon, 2018, 130, 495-502.	10.3	13
125	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. Journal of Materials Chemistry A, 2018, 6, 9384-9390.	10.3	84
126	Concentration-dependent supramolecular patterns of C3 and C2 symmetric molecules at the solid/liquid interface. Colloids and Surfaces B: Biointerfaces, 2018, 168, 211-216.	5.0	9

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127	Selfâ€Assembly of Functionalized Oligothiophene into Hygroscopic Fibers: Fabrication of Highly Sensitive and Fast Humidity Sensors. Advanced Electronic Materials, 2018, 4, 1700382.	5.1	10
128	Fluorescence Commutation and Surface Photopatterning with Porphyrin Tetradithienylethene Switches. Chemistry - A European Journal, 2018, 24, 1631-1639.	3.3	6
129	Thermal insulation with 2D materials: liquid phase exfoliated vermiculite functional nanosheets. Nanoscale, 2018, 10, 23182-23190.	5.6	40
130	Electronic Decoupling in C₃-Symmetrical Light-Responsive Tris(Azobenzene) Scaffolds: Self-Assembly and Multiphotochromism. Journal of the American Chemical Society, 2018, 140, 16062-16070.	13.7	37
131	Selfâ€Suspended Nanomesh Scaffold for Ultrafast Flexible Photodetectors Based on Organic Semiconducting Crystals. Advanced Materials, 2018, 30, e1801181.	21.0	32
132	MoS2 nanosheets via electrochemical lithium-ion intercalation under ambient conditions. FlatChem, 2018, 9, 33-39.	5.6	40
133	Chemical sensing with 2D materials. Chemical Society Reviews, 2018, 47, 4860-4908.	38.1	513
134	Nanomaterials properties tuned by their environment: integrating supramolecular concepts into sensing devices. Chemical Society Reviews, 2018, 47, 4675-4676.	38.1	11
135	Modular Preparation of Grapheneâ€Based Functional Architectures through Twoâ€Step Organic Reactions: Towards Highâ€Performance Energy Storage. Chemistry - A European Journal, 2018, 24, 18518-18528.	3.3	21
136	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. Chemical Society Reviews, 2018, 47, 6845-6888.	38.1	202
137	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. Nature Communications, 2018, 9, 2661.	12.8	53
138	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. Journal of the American Chemical Society, 2018, 140, 6984-6990.	13.7	68
139	(Supra)molecular Approaches to 2D Materials: from Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. Microscopy and Microanalysis, 2018, 24, 1572-1573.	0.4	0
140	Self-Assembled Two-Dimensional Supramolecular Networks Characterized by Scanning Tunneling Microscopy and Spectroscopy in Air and under Vacuum. Langmuir, 2018, 34, 7698-7707.	3.5	4
141	Current crowding issues on nanoscale planar organic transistors for spintronic applications. Nanotechnology, 2018, 29, 365201.	2.6	1
142	Fastâ€Response Photonic Device Based on Organicâ€Crystal Heterojunctions Assembled into a Verticalâ€Yetâ€Open Asymmetric Architecture. Advanced Materials, 2017, 29, 1605760.	21.0	21
143	High, Anisotropic, and Substrate-Independent Mobility in Polymer Field-Effect Transistors Based on Preassembled Semiconducting Nanofibrils. ACS Nano, 2017, 11, 2000-2007.	14.6	6
144	Engineering Chemically Active Defects in Monolayer MoS₂ Transistors via Ionâ€Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. Advanced Materials, 2017, 29, 1606760.	21.0	165

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145	Photoisomerisation and light-induced morphological switching of a polyoxometalateâ€“azobenzene hybrid. Chemical Communications, 2017, 53, 7278-7281.	4.1	20
146	Ultrafast Delamination of Graphite into Highâ€Quality Graphene Using Alternating Currents. Angewandte Chemie - International Edition, 2017, 56, 6669-6675.	13.8	134
147	Generation of Low-Dimensional Architectures through the Self-Assembly of Pyromellitic Diimide Derivatives. ACS Omega, 2017, 2, 1672-1678.	3.5	6
148	Improving the electrical performance of solution processed oligothiophene thin-film transistors via structural similarity blending. Journal of Materials Chemistry C, 2017, 5, 5048-5054.	5.5	1
149	Ultraschnelle SchichtablÃ¶sung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. Angewandte Chemie, 2017, 129, 6770-6776.	2.0	11
150	Graphene/Polymer Nanocomposites for Supercapacitors. ChemNanoMat, 2017, 3, 362-372.	2.8	44
151	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. Nature Communications, 2017, 8, 14767.	12.8	68
152	Punctured Two-Dimensional Sheets for Harvesting Blue Energy. ACS Nano, 2017, 11, 10654-10658.	14.6	24
153	Lightâ€Induced Contraction/Expansion of 1D Photoswitchable Metallopolymer Monitored at the Solidâ€“Liquid Interface. Small, 2017, 13, 1701790.	10.0	18
154	Supramolecular Self-Assembly in a Sub-micrometer Electrodic Cavity: Fabrication of Heat-Reversible Ï€-Gel Memristor. Journal of the American Chemical Society, 2017, 139, 14406-14411.	13.7	32
155	Hybrid Copperâ€Nanowireâ€“Reducedâ€Grapheneâ€Oxide Coatings: A â€œGreen Solutionâ€•Toward Highly Transparent, Highly Conductive, and Flexible Electrodes for (Opto)Electronics. Advanced Materials, 2017, 29, 1703225.	21.0	74
156	Reversible, Fast, and Wideâ€Range Oxygen Sensor Based on Nanostructured Organometal Halide Perovskite. Advanced Materials, 2017, 29, 1702469.	21.0	127
157	Asymmetric Injection in Organic Transistors via Direct SAM Functionalization of Source and Drain Electrodes. ACS Omega, 2017, 2, 3502-3508.	3.5	11
158	Self-organization of amino-acid-derived NDI assemblies into a nanofibrillar superstructure with humidity sensitive n-type semiconducting properties. Chemical Communications, 2017, 53, 9713-9716.	4.1	13
159	Morphology and Electronic Properties of Electrochemically Exfoliated Graphene. Journal of Physical Chemistry Letters, 2017, 8, 3347-3355.	4.6	28
160	Exfoliation of Fewâ€Layer Graphene in Volatile Solvents Using Aromatic Perylene Diimide Derivatives as Surfactants. ChemPlusChem, 2017, 82, 358-367.	2.8	18
161	6. Graphene via Molecule-Assisted Ultrasound- Induced Liquid-Phase Exfoliation: A Supramolecular Approach. , 2017, , .		0
162	Graphene via Molecule-Assisted Ultrasound-Induced Liquid-Phase Exfoliation: A Supramolecular Approach. ChemistrySelect, 2016, 1, .	1.5	0

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