

Paolo Samorini

List of Publications by Year in descending order

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384
papers

22,741
citations

7672

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14386

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413
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413
docs citations

413
times ranked

29628
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical organic transistors with short channels for multifunctional optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2494-2506.	2.7	13
2	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. <i>Chemical Reviews</i> , 2022, 122, 50-131.	23.0	46
3	Untying the Bundles of Solution-Synthesized Graphene Nanoribbons for Highly Capacitive Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2022, 32, 2109543.	7.8	13
4	Tuning interfacial charge transfer in atomically precise nanographene-graphene heterostructures by engineering van der Waals interactions. <i>Journal of Chemical Physics</i> , 2022, 156, 074702.	1.2	5
5	Metal-biomolecule frameworks (BioMOFs): a novel approach for green-optoelectronic applications. <i>Chemical Communications</i> , 2022, 58, 677-680.	2.2	7
6	Boosting the electronic and catalytic properties of 2D semiconductors with supramolecular 2D hydrogen-bonded superlattices. <i>Nature Communications</i> , 2022, 13, 510.	5.8	19
7	Asymmetric Chemical Functionalization of Top-Contact Electrodes: Tuning the Charge Injection for High-Performance MoS ₂ Field-Effect Transistors and Schottky Diodes. <i>Advanced Materials</i> , 2022, 34, e2109445.	11.1	17
8	Janus 2D materials via asymmetric molecular functionalization. <i>Chemical Science</i> , 2022, 13, 315-328.	3.7	25
9	High-Performance Humidity Sensing in π -Conjugated Molecular Assemblies through the Engineering of Electron/Proton Transport and Device Interfaces. <i>Journal of the American Chemical Society</i> , 2022, 144, 2546-2555.	6.6	17
10	Small Size, Big Impact: Recent Progress in Bottom-Up Synthesized Nanographenes for Optoelectronic and Energy Applications. <i>Advanced Science</i> , 2022, 9, e2106055.	5.6	54
11	Defect Engineering Strategies Toward Controlled Functionalization of Solution-Processed Transition Metal Dichalcogenides. <i>Small Science</i> , 2022, 2, .	5.8	25
12	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. <i>Journal of the American Chemical Society</i> , 2022, 144, 3660-3666.	6.6	56
13	A robust vertical nanoscaffold for recyclable, paintable, and flexible light-emitting devices. <i>Science Advances</i> , 2022, 8, eabn2225.	4.7	10
14	Dinaphthotetrathienoacenes: Synthesis, Characterization, and Applications in Organic Field-Effect Transistors. <i>Advanced Science</i> , 2022, 9, e2105674.	5.6	6
15	Non-invasive digital etching of van der Waals semiconductors. <i>Nature Communications</i> , 2022, 13, 1844.	5.8	8
16	Schiff base capped gold nanoparticles for transition metal cation sensing in organic media. <i>Chemical Communications</i> , 2022, 58, 5773-5776.	2.2	13
17	Novel thiophene-based donor-acceptor scaffolds as cathodes for rechargeable aqueous zinc-ion hybrid supercapacitors. <i>Chemical Communications</i> , 2022, 58, 6689-6692.	2.2	6
18	Selective Ion Sensing in Artificial Sweat Using Low-Cost Reduced Graphene Oxide Liquid-Gated Plastic Transistors. <i>Small</i> , 2022, 18, .	5.2	10

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19	MoS ₂ Defect Healing for High-Performance Chemical Sensing of Polycyclic Aromatic Hydrocarbons. ACS Nano, 2022, 16, 11234-11243.	7.3	9
20	Molecular Donor-Acceptor Dyads for Efficient Single-Material Organic Solar Cells. Solar Rrl, 2021, 5, 2000653.	3.1	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.	7.8	10
22	Chemical sensing with Au and Ag nanoparticles. Chemical Society Reviews, 2021, 50, 1269-1304.	18.7	85
23	Harnessing selectivity in chemical sensing via supramolecular interactions: from functionalization of nanomaterials to device applications. Materials Horizons, 2021, 8, 2685-2708.	6.4	18
24	High-sorption terpyridine-graphene oxide hybrid for the efficient removal of heavy metal ions from wastewater. Nanoscale, 2021, 13, 10490-10499.	2.8	16
25	2D materials production and generation of functional inks: general discussion. Faraday Discussions, 2021, 227, 141-162.	1.6	2
26	Synthesis and characterization of ultralong copper sulfide nanowires and their electrical properties. Journal of Materials Chemistry C, 2021, 9, 12133-12140.	2.7	8
27	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. ACS Nano, 2021, 15, 2654-2667.	7.3	17
28	Functionalized 4,4'-Bipyridines: Synthesis and 2D Organization on Highly Oriented Pyrolytic Graphite. Journal of Organic Chemistry, 2021, 86, 3356-3366.	1.7	5
29	Covalently interconnected transition metal dichalcogenide networks via defect engineering for high-performance electronic devices. Nature Nanotechnology, 2021, 16, 592-598.	15.6	74
30	Analysis of External and Internal Disorder to Understand Band-Like Transport in n-Type Organic Semiconductors. Advanced Materials, 2021, 33, 2007870.	11.1	24
31	Graphene: A Disruptive Opportunity for COVID-19 and Future Pandemics?. Advanced Materials, 2021, 33, e2007847.	11.1	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.	7.2	105
33	Au(111) Surface Contamination in Ambient Conditions: Unravelling the Dynamics of the Work Function in Air. Advanced Materials Interfaces, 2021, 8, 2100068.	1.9	12
34	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Field-Effect Transistors. Advanced Materials, 2021, 33, e2007965.	11.1	52
35	Oxidant-dependent antioxidant activity of polydopamine films: The chemistry-morphology interplay. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126134.	2.3	14
36	2D MXene-Molecular Hybrid Additive for High-Performance Ambipolar Polymer Field-Effect Transistors and Logic Gates. Advanced Materials, 2021, 33, e2008215.	11.1	26

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37	Graphene-Based Cementitious Composites: Toward Next-Generation Construction Technologies. <i>Advanced Functional Materials</i> , 2021, 31, 2101887.	7.8	43
38	Ternary-Responsive Field-Effect Transistors and Multilevel Memories Based on Asymmetrically Functionalized Janus Few-Layer WSe_2 . <i>Advanced Functional Materials</i> , 2021, 31, 2102721.	7.8	15
39	Wafer-Scale and Full-Coverage Two-Dimensional Molecular Monolayers Strained by Solvent Surface Tension Balance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26218-26226.	4.0	5
40	Electrochemically Exfoliated Graphene for High-Durability Cement Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23000-23010.	4.0	9
41	Molecular Doping of 2D Indium Selenide for Ultrahigh Performance and Low-Power Consumption Broadband Photodetectors. <i>Advanced Functional Materials</i> , 2021, 31, 2103353.	7.8	17
42	Supramolecular engineering of charge transfer in wide bandgap organic semiconductors with enhanced visible-to-NIR photoresponse. <i>Nature Communications</i> , 2021, 12, 3667.	5.8	30
43	Graphene-Based Hybrid Functional Materials. <i>Small</i> , 2021, 17, e2100514.	5.2	31
44	Asymmetric Dressing of WSe_2 with (Macro)molecular Switches: Fabrication of Quaternary-Responsive Transistors. <i>ACS Nano</i> , 2021, 15, 10668-10677.	7.3	14
45	Self-Assembly of Functionalized Lipophilic Guanosines into Cation-Free Stacked Guanine-Quartets. <i>Journal of Organic Chemistry</i> , 2021, 86, 9970-9978.	1.7	2
46	Universal Fabrication of Highly Efficient Plasmonic Thin-Films for Label-Free SERS Detection. <i>Small</i> , 2021, 17, e2100755.	5.2	23
47	Synaptic Plasticity Powering Long-Afterglow Organic Light-Emitting Transistors. <i>Advanced Materials</i> , 2021, 33, e2103369.	11.1	23
48	Light-Programmable Logic-in-Memory in 2D Semiconductors Enabled by Supramolecular Functionalization: Photoresponsive Collective Effect of Aligned Molecular Dipoles. <i>ACS Nano</i> , 2021, 15, 13732-13741.	7.3	18
49	Biomedical applications: general discussion. <i>Faraday Discussions</i> , 2021, 227, 245-258.	1.6	2
50	Highly Sensitive Strain Sensors Based on Molecules-Gold Nanoparticles Networks for High-Resolution Human Pulse Analysis. <i>Small</i> , 2021, 17, e2007593.	5.2	47
51	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 14356-14370.	1.6	22
52	Solution-Processed Graphene-Nanographene van der Waals Heterostructures for Photodetectors with Efficient and Ultralong Charge Separation. <i>Journal of the American Chemical Society</i> , 2021, 143, 17109-17116.	6.6	19
53	Quantum Capacitance through Molecular Infiltration of 7,7,8,8-Tetracyanoquinodimethane in Metal-Organic Framework/Covalent Organic Framework Hybrids. <i>ACS Nano</i> , 2021, 15, 18580-18589.	7.3	30
54	Field-effect-transistor-based ion sensors: ultrasensitive mercury(II) detection via healing MoS_2 defects. <i>Nanoscale</i> , 2021, 13, 19682-19689.	2.8	9

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55	Atomically Thick Membranes for Water Purification and Blue Energy Harvesting. <i>Advanced Functional Materials</i> , 2020, 30, 1902394.	7.8	58
56	The Role of Morphology in Optically Switchable Transistors Based on a Photochromic Molecule/polymer Type Polymer Semiconductor Blend. <i>Advanced Functional Materials</i> , 2020, 30, 1907507.	7.8	20
57	Tetrapodal Diazatriptycene Enforces Orthogonal Orientation in Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6565-6572.	4.0	10
58	Phototuning Selectively Hole and Electron Transport in Optically Switchable Ambipolar Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 1908944.	7.8	27
59	Graphene oxide-mesoporous SiO ₂ hybrid composite for fast and efficient removal of organic cationic contaminants. <i>Carbon</i> , 2020, 158, 193-201.	5.4	36
60	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7319-7330.	7.2	27
61	Effect of temperature and exfoliation time on the properties of chemically exfoliated MoS ₂ nanosheets. <i>Chemical Communications</i> , 2020, 56, 15573-15576.	2.2	14
62	Organic photodetectors based on supramolecular nanostructures. <i>SmartMat</i> , 2020, 1, .	6.4	91
63	Comparative Effects of Graphene and Molybdenum Disulfide on Human Macrophage Toxicity. <i>Small</i> , 2020, 16, e2002194.	5.2	30
64	Reduced graphene oxide-silsesquioxane hybrid as a novel supercapacitor electrode. <i>Nanoscale</i> , 2020, 12, 18733-18741.	2.8	16
65	Ultrafast and Highly Sensitive Chemically Functionalized Graphene Oxide-Based Humidity Sensors: Harnessing Device Performances via the Supramolecular Approach. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44017-44025.	4.0	28
66	Graphene transistors for real-time monitoring molecular self-assembly dynamics. <i>Nature Communications</i> , 2020, 11, 4731.	5.8	20
67	Molecular Functionalization of Chemically Active Defects in WSe ₂ for Enhanced Optoelectronics. <i>Advanced Functional Materials</i> , 2020, 30, 2005045.	7.8	22
68	Photomodulation of Charge Transport in All-semiconducting 2D-1D van der Waals Heterostructures with Suppressed Persistent Photoconductivity Effect. <i>Advanced Materials</i> , 2020, 32, e2001268.	11.1	20
69	X-ray-Induced Growth Dynamics of Luminescent Silver Clusters in Zeolites. <i>Small</i> , 2020, 16, e2002063.	5.2	14
70	Engineering Optically Switchable Transistors with Improved Performance by Controlling Interactions of Diarylethenes in Polymer Matrices. <i>Journal of the American Chemical Society</i> , 2020, 142, 11050-11059.	6.6	37
71	Harnessing Selectivity and Sensitivity in Electronic Biosensing: A Novel Lab-on-Chip Multigate Organic Transistor. <i>Analytical Chemistry</i> , 2020, 92, 9330-9337.	3.2	33
72	Controlled functionalization of carbon nanodots for targeted intracellular production of reactive oxygen species. <i>Nanoscale Horizons</i> , 2020, 5, 1240-1249.	4.1	36

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73	Nitrogen-Doped Carbon Dots/TiO ₂ Nanoparticle Composites for Photoelectrochemical Water Oxidation. ACS Applied Nano Materials, 2020, 3, 3371-3381.	2.4	71
74	Molecular Approach to Electrochemically Switchable Monolayer MoS ₂ Transistors. Advanced Materials, 2020, 32, e2000740.	11.1	37
75	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Aza-Diels-Alder Reaction: Towards High-Performance Supercapacitor Materials. Angewandte Chemie, 2020, 132, 19770-19777.	1.6	13
76	Collective Dipole-Dominated Doping of Monolayer MoS ₂ : Orientation and Magnitude Control via the Supramolecular Approach. Advanced Functional Materials, 2020, 30, 2002846.	7.8	27
77	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Aza-Diels-Alder Reaction: Towards High-Performance Supercapacitor Materials. Angewandte Chemie - International Edition, 2020, 59, 19602-19609.	7.2	133
78	Announcing the 2020 ACS Nano Award Lecture Laureates. ACS Nano, 2020, 14, 1213-1215.	7.3	4
79	Molecular Springs: Integration of Complex Dynamic Architectures into Functional Devices. Angewandte Chemie, 2020, 132, 7387-7398.	1.6	10
80	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
81	Simultaneous Optical Tuning of Hole and Electron Transport in Ambipolar WSe ₂ Interfaced with a Bicomponent Photochromic Layer: From High-Mobility Transistors to Flexible Multilevel Memories. Advanced Materials, 2020, 32, e1907903.	11.1	29
82	Simultaneous non-covalent bi-functionalization of 1T-MoS ₂ ruled by electrostatic interactions: towards multi-responsive materials. Chemical Communications, 2020, 56, 6878-6881.	2.2	7
83	Introduction to -Chemistry of 2D materials: graphene and beyond™. Nanoscale, 2020, 12, 24309-24310.	2.8	7
84	Water-Dispersed High-Quality Graphene: A Green Solution for Efficient Energy Storage Applications. ACS Nano, 2019, 13, 9431-9441.	7.3	33
85	Modulating the Charge Transport in 2D Semiconductors via Energy-Level Phototuning. Advanced Materials, 2019, 31, 1903402.	11.1	30
86	Chemical Synthesis at Surfaces with Atomic Precision: Taming Complexity and Perfection. Angewandte Chemie - International Edition, 2019, 58, 18758-18775.	7.2	14
87	3D hybrid networks of gold nanoparticles: mechanoresponsive electrical humidity sensors with on-demand performances. Nanoscale, 2019, 11, 19319-19326.	2.8	17
88	Chemische Synthese an Oberflächen mit Präzision in atomarer Größenordnung: Beherrschung von Komplexität und Genauigkeit. Angewandte Chemie, 2019, 131, 18932-18951.	1.6	0
89	2D hybrid networks of gold nanoparticles: mechanoresponsive optical humidity sensors. Nanoscale, 2019, 11, 19315-19318.	2.8	15
90	Enhancement of Charge Transport in Polythiophene Semiconducting Polymer by Blending with Graphene Nanoparticles. ChemPlusChem, 2019, 84, 1366-1374.	1.3	3

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91	Liquid-Gated Transistors Based on Reduced Graphene Oxide for Flexible and Wearable Electronics. <i>Advanced Functional Materials</i> , 2019, 29, 1905375.	7.8	37
92	From Supramolecular Chemistry to Complex Chemical Systems. <i>Chemistry - A European Journal</i> , 2019, 25, 13229-13230.	1.7	2
93	Tuning the Optical and Electrical Properties of Few-Layer Black Phosphorus via Physisorption of Small Solvent Molecules. <i>Small</i> , 2019, 15, e1903432.	5.2	21
94	Conjugated Molecules: From Structure to Function. <i>ChemPlusChem</i> , 2019, 84, 1177-1178.	1.3	10
95	Tuning graphene transistors through <i>ad hoc</i> electrostatics induced by a nanometer-thick molecular underlayer. <i>Nanoscale</i> , 2019, 11, 19705-19712.	2.8	13
96	Boosting and Balancing Electron and Hole Mobility in Single- and Bilayer WSe ₂ Devices via Tailored Molecular Functionalization. <i>ACS Nano</i> , 2019, 13, 11613-11622.	7.3	34
97	Dynamic covalent conjugated polymer epitaxy on graphene. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12240-12247.	2.7	7
98	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , 2019, 31, e1806663.	11.1	230
99	Charge transport enhancement in supramolecular oligothiophene assemblies using Pt centers as a guide. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16777-16784.	5.2	8
100	Tailoring the physicochemical properties of solution-processed transition metal dichalcogenides via molecular approaches. <i>Chemical Communications</i> , 2019, 55, 8900-8914.	2.2	22
101	Photomodulation of Two-Dimensional Self-Assembly of Azobenzene-Hexaperi-hexabenzocoronene Azobenzene Triads. <i>Chemistry of Materials</i> , 2019, 31, 6979-6985.	3.2	18
102	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> , 2019, 141, 9273-9283.	6.6	43
103	Interface Engineering in Organic Devices. <i>Advanced Materials Technologies</i> , 2019, 4, 1900303.	3.0	0
104	Functionalization of 2D Materials with Photosensitive Molecules: From Light-Responsive Hybrid Systems to Multifunctional Devices. <i>Advanced Optical Materials</i> , 2019, 7, 1900286.	3.6	44
105	High-Performance Graphene-Based Cementitious Composites. <i>Advanced Science</i> , 2019, 6, 1801195.	5.6	73
106	Production and Patterning of Liquid Phase-Exfoliated 2D Sheets for Applications in Optoelectronics. <i>Advanced Functional Materials</i> , 2019, 29, 1901126.	7.8	71
107	Persian waxing of graphite: towards green large-scale production of graphene. <i>Chemical Communications</i> , 2019, 55, 5331-5334.	2.2	9
108	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. <i>ACS Nano</i> , 2019, 13, 4814-4825.	7.3	51

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109	Unconventional Nanofabrication for Supramolecular Electronics. <i>Advanced Materials</i> , 2019, 31, e1900599.	11.1	42
110	Two-dimensional self-assembly and electrical properties of the donor-acceptor tetrathiafulvalene-polychlorotriphenylmethyl radical on graphite substrates. <i>Journal of Applied Physics</i> , 2019, 125, 142909.	1.1	5
111	Nano-Subsidence-Assisted Precise Integration of Patterned Two-Dimensional Materials for High-Performance Photodetector Arrays. <i>ACS Nano</i> , 2019, 13, 2654-2662.	7.3	14
112	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , 2019, 14, 347-353.	15.6	139
113	Covalently linked donor-acceptor dyad for efficient single material organic solar cells. <i>Chemical Communications</i> , 2019, 55, 14202-14205.	2.2	30
114	Controlling Ambipolar Transport and Voltage Inversion in Solution-Processed Thin-Film Devices through Polymer Blending. <i>Chemistry of Materials</i> , 2019, 31, 6491-6498.	3.2	17
115	Novel Keplerate type polyoxometalate-surfactant-graphene hybrids as advanced electrode materials for supercapacitors. <i>Energy Storage Materials</i> , 2019, 17, 186-193.	9.5	34
116	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 540-547.	2.1	52
117	Molecule-Graphene Hybrid Materials with Tunable Mechanoresponse: Highly Sensitive Pressure Sensors for Health Monitoring. <i>Advanced Materials</i> , 2019, 31, e1804600.	11.1	159
118	Graphene Oxide Hybrid with Sulfur-Nitrogen Polymer for High-Performance Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2019, 141, 482-487.	6.6	61
119	Oxacyclic-Fused [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene Derivatives: Synthesis, Electronic Structure, Electrochemical Properties, Ionisation Potential, and Crystal Structure. <i>ChemPlusChem</i> , 2019, 84, 1263-1269.	1.3	6
120	Phenoxyaluminum(salophen) Scaffolds: Synthesis, Electrochemical Properties, and Self-Assembly at Surfaces of Multifunctional Systems. <i>Chemistry - A European Journal</i> , 2018, 24, 11954-11960.	1.7	12
121	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. <i>Materials Horizons</i> , 2018, 5, 423-428.	6.4	55
122	When 2D Materials Meet Molecules: Opportunities and Challenges of Hybrid Organic/Inorganic van der Waals Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1706103.	11.1	194
123	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.	1.7	36
124	Graphene exfoliation in the presence of semiconducting polymers for improved film homogeneity and electrical performances. <i>Carbon</i> , 2018, 130, 495-502.	5.4	13
125	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9384-9390.	5.2	84
126	Concentration-dependent supramolecular patterns of C3 and C2 symmetric molecules at the solid/liquid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 211-216.	2.5	9

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127	Self-Assembly of Functionalized Oligothiophene into Hygroscopic Fibers: Fabrication of Highly Sensitive and Fast Humidity Sensors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700382.	2.6	10
128	Fluorescence Commutation and Surface Photopatterning with Porphyrin Tetrathienylethene Switches. <i>Chemistry - A European Journal</i> , 2018, 24, 1631-1639.	1.7	6
129	Thermal insulation with 2D materials: liquid phase exfoliated vermiculite functional nanosheets. <i>Nanoscale</i> , 2018, 10, 23182-23190.	2.8	40
130	Electronic Decoupling in C ₃ -Symmetrical Light-Responsive Tris(Azobenzene) Scaffolds: Self-Assembly and Multiphotochromism. <i>Journal of the American Chemical Society</i> , 2018, 140, 16062-16070.	6.6	37
131	Self-Suspended Nanomesh Scaffold for Ultrafast Flexible Photodetectors Based on Organic Semiconducting Crystals. <i>Advanced Materials</i> , 2018, 30, e1801181.	11.1	32
132	MoS ₂ nanosheets via electrochemical lithium-ion intercalation under ambient conditions. <i>FlatChem</i> , 2018, 9, 33-39.	2.8	40
133	Chemical sensing with 2D materials. <i>Chemical Society Reviews</i> , 2018, 47, 4860-4908.	18.7	513
134	Nanomaterials properties tuned by their environment: integrating supramolecular concepts into sensing devices. <i>Chemical Society Reviews</i> , 2018, 47, 4675-4676.	18.7	11
135	Modular Preparation of Graphene-Based Functional Architectures through Two-Step Organic Reactions: Towards High-Performance Energy Storage. <i>Chemistry - A European Journal</i> , 2018, 24, 18518-18528.	1.7	21
136	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2018, 47, 6845-6888.	18.7	202
137	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. <i>Nature Communications</i> , 2018, 9, 2661.	5.8	53
138	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , 2018, 140, 6984-6990.	6.6	68
139	(Supra)molecular Approaches to 2D Materials: from Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. <i>Microscopy and Microanalysis</i> , 2018, 24, 1572-1573.	0.2	0
140	Self-Assembled Two-Dimensional Supramolecular Networks Characterized by Scanning Tunneling Microscopy and Spectroscopy in Air and under Vacuum. <i>Langmuir</i> , 2018, 34, 7698-7707.	1.6	4
141	Current crowding issues on nanoscale planar organic transistors for spintronic applications. <i>Nanotechnology</i> , 2018, 29, 365201.	1.3	1
142	Fast-Response Photonic Device Based on Organic-Crystal Heterojunctions Assembled into a Vertical-Open Asymmetric Architecture. <i>Advanced Materials</i> , 2017, 29, 1605760.	11.1	21
143	High, Anisotropic, and Substrate-Independent Mobility in Polymer Field-Effect Transistors Based on Preassembled Semiconducting Nanofibrils. <i>ACS Nano</i> , 2017, 11, 2000-2007.	7.3	6
144	Engineering Chemically Active Defects in Monolayer MoS ₂ Transistors via Ion-Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. <i>Advanced Materials</i> , 2017, 29, 1606760.	11.1	165

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145	Photoisomerisation and light-induced morphological switching of a polyoxometalate-azobenzene hybrid. <i>Chemical Communications</i> , 2017, 53, 7278-7281.	2.2	20
146	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	7.2	134
147	Generation of Low-Dimensional Architectures through the Self-Assembly of Pyromellitic Diimide Derivatives. <i>ACS Omega</i> , 2017, 2, 1672-1678.	1.6	6
148	Improving the electrical performance of solution processed oligothiophene thin-film transistors via structural similarity blending. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5048-5054.	2.7	1
149	Ultraschnelle Schichtabl�tzung von Graphit zu qualitativ hochwertigem Graphen durch Nutzung von Wechselstrom. <i>Angewandte Chemie</i> , 2017, 129, 6770-6776.	1.6	11
150	Graphene/Polymer Nanocomposites for Supercapacitors. <i>ChemNanoMat</i> , 2017, 3, 362-372.	1.5	44
151	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. <i>Nature Communications</i> , 2017, 8, 14767.	5.8	68
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