

Paolo Samorini

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	Grapheneviasonication assisted liquid-phase exfoliation. <i>Chemical Society Reviews</i> , 2014, 43, 381-398.	38.1	976
2	Chemical sensing with 2D materials. <i>Chemical Society Reviews</i> , 2018, 47, 4860-4908.	38.1	513
3	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002, 1, 160-164.	27.5	471
4	2D Materials Beyond Graphene for High-Performance Energy Storage Applications. <i>Advanced Energy Materials</i> , 2016, 6, 1600671.	19.5	436
5	Charge transport and mobility engineering in two-dimensional transition metal chalcogenide semiconductors. <i>Chemical Society Reviews</i> , 2016, 45, 118-151.	38.1	423
6	Adsorption of Aromatic and Anti-Aromatic Systems on Graphene through π - π Stacking. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3407-3412.	4.6	344
7	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	4.4	333
8	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, 769-775.	31.5	300
9	Organic Radical-Assisted Electrochemical Exfoliation for the Scalable Production of High-Quality Graphene. <i>Journal of the American Chemical Society</i> , 2015, 137, 13927-13932.	13.7	288
10	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, 15576-15577.	13.7	280
11	Light-Powered Electrical Switch Based on Cargo-Lifting Azobenzene Monolayers. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3407-3409.	13.8	276
12	Towards Supramolecular Engineering of Functional Nanomaterials: Pre-Programming Multi-Component 2D Self-Assembly at Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2010, 22, 3506-3520.	21.0	276
13	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, 9937-9942.	7.1	273
14	25th Anniversary Article: Organic Electronics Marries Photochromism: Generation of Multifunctional Interfaces, Materials, and Devices. <i>Advanced Materials</i> , 2014, 26, 1827-1845.	21.0	259
15	Azobenzenes as Light-Controlled Molecular Electronic Switches in Nanoscale Metal-Molecule-Metal Junctions. <i>Journal of the American Chemical Society</i> , 2008, 130, 9192-9193.	13.7	257
16	Coherent Coupling of WS ₂ Monolayers with Metallic Photonic Nanostructures at Room Temperature. <i>Nano Letters</i> , 2016, 16, 4368-4374.	9.1	256
17	Degradation of Methylammonium Lead Iodide Perovskite Structures through Light and Electron Beam Driven Ion Migration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 561-566.	4.6	234
18	Nonvolatile Memories Based on Graphene and Related 2D Materials. <i>Advanced Materials</i> , 2019, 31, e1806663.	21.0	230

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19	Optically switchable transistor via energy-level phototuning in a bicomponent organic semiconductor. <i>Nature Chemistry</i> , 2012, 4, 675-679.	13.6	217
20	Coupling carbon nanomaterials with photochromic molecules for the generation of optically responsive materials. <i>Nature Communications</i> , 2016, 7, 11118.	12.8	217
21	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. <i>Small</i> , 2015, 11, 3985-3994.	10.0	215
22	Molecular chemistry approaches for tuning the properties of two-dimensional transition metal dichalcogenides. <i>Chemical Society Reviews</i> , 2018, 47, 6845-6888.	38.1	202
23	When 2D Materials Meet Molecules: Opportunities and Challenges of Hybrid Organic/Inorganic van der Waals Heterostructures. <i>Advanced Materials</i> , 2018, 30, e1706103.	21.0	194
24	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.	3.3	191
25	Molecular Self-Assembly across Multiple Length Scales. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4428-4432.	13.8	181
26	Predicting self-assembly: from empirism to determinism. <i>Chemical Society Reviews</i> , 2012, 41, 3713.	38.1	179
27	Tuning the Work-Function Via Strong Coupling. <i>Advanced Materials</i> , 2013, 25, 2481-2485.	21.0	177
28	Processing of giant graphene molecules by soft-landing mass spectrometry. <i>Nature Materials</i> , 2006, 5, 276-280.	27.5	172
29	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, 541-550.	15.6	167
30	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.	21.0	165
31	Optically switchable transistors by simple incorporation of photochromic systems into small-molecule semiconducting matrices. <i>Nature Communications</i> , 2015, 6, 6330.	12.8	162
32	Molecule-Graphene Hybrid Materials with Tunable Mechanoreponse: Highly Sensitive Pressure Sensors for Health Monitoring. <i>Advanced Materials</i> , 2019, 31, e1804600.	21.0	159
33	Epitaxial Composite Layers of Electron Donors and Acceptors from Very Large Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2002, 124, 9454-9457.	13.7	158
34	Blueprinting macromolecular electronics. <i>Nature Chemistry</i> , 2011, 3, 431-436.	13.6	158
35	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, 1963-1966.	13.8	156
36	Supramolecular Approaches to Graphene: From Self-Assembly to Molecule-Assisted Liquid-Phase Exfoliation. <i>Advanced Materials</i> , 2016, 28, 6030-6051.	21.0	154

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37	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, 6942-6950.	13.7	153
38	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , 2016, 15, 1017-1022.	27.5	153
39	The Self-Assembly of Lipophilic Guanosine Derivatives in Solution and on Solid Surfaces. <i>Chemistry - A European Journal</i> , 2000, 6, 3242-3248.	3.3	151
40	Local Current Mapping and Patterning of Reduced Graphene Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 14130-14136.	13.7	140
41	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, 1447-1452.	21.0	140
42	Optically switchable organic light-emitting transistors. <i>Nature Nanotechnology</i> , 2019, 14, 347-353.	31.5	139
43	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.	14.9	138
44	Unraveling Unprecedented Charge Carrier Mobility through Structure Property Relationship of Four Isomers of Didodecyl[1]benzothieno[3,2- <i>b</i>][1]benzothiophene. <i>Advanced Materials</i> , 2016, 28, 7106-7114.	21.0	138
45	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, 13062-13071.	13.7	134
46	Ultrafast Delamination of Graphite into High-Quality Graphene Using Alternating Currents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6669-6675.	13.8	134
47	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.	13.8	133
48	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. <i>ACS Nano</i> , 2016, 10, 7125-7134.	14.6	132
49	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.	6.7	127
50	Reversible, Fast, and Wide-Range Oxygen Sensor Based on Nanostructured Organometal Halide Perovskite. <i>Advanced Materials</i> , 2017, 29, 1702469.	21.0	127
51	Dynamic covalent chemistry of bisimines at the solid/liquid interface monitored by scanning tunnelling microscopy. <i>Nature Chemistry</i> , 2014, 6, 1017-1023.	13.6	124
52	Supramolecular Helices via Self-Assembly of 8-Oxoguanosines. <i>Journal of the American Chemical Society</i> , 2003, 125, 14741-14749.	13.7	123
53	Photovoltaic Charge Generation Visualized at the Nanoscale: A Proof of Principle. <i>Journal of the American Chemical Society</i> , 2008, 130, 780-781.	13.7	120
54	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. <i>Nanoscale</i> , 2013, 5, 4205.	5.6	116

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55	Scanning probe microscopies beyond imaging. <i>Journal of Materials Chemistry</i> , 2004, 14, 1353-1366.	6.7	114
56	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, 3567-3575.	13.7	111
57	The Self-Assembly of Lipophilic Guanosine Derivatives in Solution and on Solid Surfaces. <i>Chemistry - A European Journal</i> , 2000, 6, 3242-3248.	3.3	111
58	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, 245-249.	13.8	110
59	Engineering of Supramolecular H-Bonded Nanopolygons via Self-Assembly of Programmed Molecular Modules. <i>Journal of the American Chemical Society</i> , 2009, 131, 509-520.	13.7	105
60	Chemical Conversion and Locking of the Imine Linkage: Enhancing the Functionality of Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14236-14250.	13.8	105
61	High Shape Persistence in Single Polymer Chains Rigidified with Lateral Hydrogen Bonded Networks. <i>Macromolecules</i> , 2002, 35, 5290-5294.	4.8	104
62	Shape-Persistent Macrocycles with Terpyridine Units:~Synthesis, Characterization, and Structure in the Crystal. <i>Journal of the American Chemical Society</i> , 2003, 125, 6907-6918.	13.7	102
63	Supramolecular Staircase via Self-Assembly of Disklike Molecules at the Solid~Liquid Interface. <i>Journal of the American Chemical Society</i> , 2001, 123, 11462-11467.	13.7	101
64	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene~azobenzene composites. <i>Nature Communications</i> , 2016, 7, 11090.	12.8	97
65	Tuning the Photoresponse in Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2012, 134, 2429-2433.	13.7	96
66	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.	6.7	94
67	Large Work Function Shift of Gold Induced by a Novel Perfluorinated Azobenzene~Based Self~Assembled Monolayer. <i>Advanced Materials</i> , 2013, 25, 432-436.	21.0	93
68	Harnessing the Liquid~Phase Exfoliation of Graphene Using Aliphatic Compounds: A Supramolecular Approach. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10355-10361.	13.8	92
69	Organic photodetectors based on supramolecular nanostructures. <i>SmartMat</i> , 2020, 1, .	10.7	91
70	Guanosine~Based Hydrogen~Bonded Scaffolds: Controlling the Assembly of Oligothiophenes. <i>Advanced Materials</i> , 2008, 20, 2433-2438.	21.0	90
71	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, 9734-9739.	13.7	89
72	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, 1691-1702.	10.0	87

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73	Self-Assembly and Manipulation of Crown Ether Phthalocyanines at the Gelâ€“Graphite Interface. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2348-2350.	13.8	85
74	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, 14605-14614.	13.7	85
75	Graphene nanoribbon blends with P3HT for organic electronics. <i>Nanoscale</i> , 2014, 6, 6301-6314.	5.6	85
76	Chemical sensing with Au and Ag nanoparticles. <i>Chemical Society Reviews</i> , 2021, 50, 1269-1304.	38.1	85
77	Graphene oxide-branched polyethylenimine foams for efficient removal of toxic cations from water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9384-9390.	10.3	84
78	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. <i>Journal of Materials Chemistry</i> , 2010, 20, 9052.	6.7	82
79	Dynamic Materials through Metal-Directed and Solvent-Driven Self-Assembly of Cavitands. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1384-1387.	13.8	81
80	Nonâ€“conventional Processing and Postâ€“processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. <i>Advanced Functional Materials</i> , 2011, 21, 1279-1295.	14.9	81
81	Exploring supramolecular interactions and architectures by scanning force microscopies. <i>Chemical Society Reviews</i> , 2005, 34, 551.	38.1	80
82	Multicomponent Monolayer Architectures at the Solidâ€“Liquid Interface: Towards Controlled Space-Confined Properties and Reactivity of Functional Building Blocks. <i>Small</i> , 2007, 3, 190-194.	10.0	80
83	Enhancing the Liquid-Phase Exfoliation of Graphene in Organic Solvents upon Addition of n-Octylbenzene. <i>Scientific Reports</i> , 2015, 5, 16684.	3.3	79
84	Single Component Selfâ€“Assembled Monolayers of Aromatic Azoâ€“Biphenyl: Influence of the Packing Tightness on the SAM Structure and Lightâ€“Induced Molecular Movements. <i>Advanced Functional Materials</i> , 2008, 18, 2972-2983.	14.9	78
85	Atomistic Simulations of 2D Bicomponent Self-Assembly: From Molecular Recognition to Self-Healing. <i>Journal of the American Chemical Society</i> , 2010, 132, 17880-17885.	13.7	76
86	Selfâ€“Assembly of an Amphiphilic Î€â€“Conjugated Dyad into Fibers: Ultrafast and Ultrasensitive Humidity Sensor. <i>Advanced Materials</i> , 2015, 27, 3170-3174.	21.0	75
87	Hybrid Copperâ€“Nanowireâ€“Reducedâ€“Grapheneâ€“Oxide Coatings: A â€“Green Solutionâ€“Toward Highly Transparent, Highly Conductive, and Flexible Electrodes for (Opto)Electronics. <i>Advanced Materials</i> , 2017, 29, 1703225.	21.0	74
88	Covalently interconnected transition metal dichalcogenide networks via defect engineering for high-performance electronic devices. <i>Nature Nanotechnology</i> , 2021, 16, 592-598.	31.5	74
89	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with Î±-Functionalized Alkanes. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2714-2721.	4.6	73
90	Highâ€“Performance Grapheneâ€“Based Cementitious Composites. <i>Advanced Science</i> , 2019, 6, 1801195.	11.2	73

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91	A nanomesh scaffold for supramolecular nanowire optoelectronic devices. <i>Nature Nanotechnology</i> , 2016, 11, 900-906.	31.5	72
92	Production and Patterning of Liquid Phase-Exfoliated 2D Sheets for Applications in Optoelectronics. <i>Advanced Functional Materials</i> , 2019, 29, 1901126.	14.9	71
93	Nitrogen-Doped Carbon Dots/TiO ₂ Nanoparticle Composites for Photoelectrochemical Water Oxidation. <i>ACS Applied Nano Materials</i> , 2020, 3, 3371-3381.	5.0	71
94	Electronic Transport Properties of Ensembles of Perylene-Substituted Polyisocyanopeptide Arrays. <i>Advanced Functional Materials</i> , 2008, 18, 3947-3955.	14.9	70
95	Photoswitching Vertically Oriented Azobenzene Self-Assembled Monolayers at the Solid-Liquid Interface. <i>Chemistry - A European Journal</i> , 2010, 16, 14256-14260.	3.3	70
96	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, 12375-12380.	7.1	70
97	Pre-programmed bicomponent porous networks at the solid-liquid interface: the low concentration regime. <i>Chemical Communications</i> , 2008, , 5289.	4.1	69
98	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. <i>Nature Communications</i> , 2017, 8, 14767.	12.8	68
99	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , 2018, 140, 6984-6990.	13.7	68
100	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, 2039-2043.	13.8	67
101	Helter-Like Perylene Polyisocyanopeptides. <i>Chemistry - A European Journal</i> , 2009, 15, 2536-2547.	3.3	64
102	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.	6.7	63
103	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.	3.1	62
104	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.	5.5	62
105	Graphene Oxide Hybrid with Sulfur-Nitrogen Polymer for High-Performance Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2019, 141, 482-487.	13.7	61
106	Light-responsive reversible solvation and precipitation of gold nanoparticles. <i>Chemical Communications</i> , 2010, 46, 1147-1149.	4.1	60
107	Atom-Thick Membranes for Water Purification and Blue Energy Harvesting. <i>Advanced Functional Materials</i> , 2020, 30, 1902394.	14.9	58
108	Synthesis and Solid State Structures of Functionalized Phenyleneethynylene Trimers in 2D and 3D. <i>Chemistry of Materials</i> , 2003, 15, 1032-1039.	6.7	57

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109	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, 6606-6611.	21.0	57
110	Two-Dimensional Violet Phosphorus: A p-Type Semiconductor for (Opto)electronics. <i>Journal of the American Chemical Society</i> , 2022, 144, 3660-3666.	13.7	56
111	Graphene Transistors via in Situ Voltage-Induced Reduction of Graphene-Oxide under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2011, 133, 14320-14326.	13.7	55
112	Photoelectrochemical response of carbon dots (CDs) derived from chitosan and their use in electrochemical imaging. <i>Materials Horizons</i> , 2018, 5, 423-428.	12.2	55
113	Self-assembly of discotic molecules into mesoscopic crystals by solvent-vapour annealing. <i>Soft Matter</i> , 2008, 4, 2064.	2.7	54
114	Small Size, Big Impact: Recent Progress in Bottom-Up Synthesized Nanographenes for Optoelectronic and Energy Applications. <i>Advanced Science</i> , 2022, 9, e2106055.	11.2	54
115	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, 3757-3764.	3.3	53
116	Modulating Large-Area Self-Assembly at the Solid-Liquid Interface by pH-Mediated Conformational Switching. <i>Chemistry - A European Journal</i> , 2009, 15, 4788-4792.	3.3	53
117	Supramolecular assembly/reassembly processes: molecular motors and dynamers operating at surfaces. <i>Nanoscale</i> , 2011, 3, 1397.	5.6	53
118	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. <i>Nature Communications</i> , 2018, 9, 2661.	12.8	53
119	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, 7055-7063.	13.7	52
120	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 540-547.	4.6	52
121	Multiresponsive Nonvolatile Memories Based on Optically Switchable Ferroelectric Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2021, 33, e2007965.	21.0	52
122	Temperature-Enhanced Solvent Vapor Annealing of a C_{3v} Symmetric Hexa-peri-hexabenzocoronene: Controlling the Self-Assembly from Nano- to Macroscale. <i>Small</i> , 2009, 5, 112-119.	10.0	51
123	Modifying the Size of Ultrasound-Induced Liquid-Phase Exfoliated Graphene: From Nanosheets to Nanodots. <i>ACS Nano</i> , 2016, 10, 10768-10777.	14.6	51
124	A Universal Approach toward Light-Responsive Two-Dimensional Electronics: Chemically Tailored Hybrid van der Waals Heterostructures. <i>ACS Nano</i> , 2019, 13, 4814-4825.	14.6	51
125	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.	4.8	49
126	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.	14.2	49

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127	Surface-Induced Selection During In-Situ Photoswitching at the Solid/Liquid Interface. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4865-4869.	13.8	48
128	Self-Assembly of Natural and Unnatural Nucleobases at Surfaces and Interfaces. <i>Small</i> , 2016, 12, 83-95.	10.0	48
129	Photoinduced structural modifications in multicomponent architectures containing azobenzene moieties as photoswitchable cores. <i>Journal of Materials Chemistry</i> , 2009, 19, 4715.	6.7	47
130	Highly Sensitive Strain Sensors Based on Molecules-Gold Nanoparticles Networks for High-Resolution Human Pulse Analysis. <i>Small</i> , 2021, 17, e2007593.	10.0	47
131	Self-templating 2D supramolecular networks: a new avenue to reach control over a bilayer formation. <i>Nanoscale</i> , 2011, 3, 4125.	5.6	46
132	Elucidating the nanoscale origins of organic electronic function by conductive atomic force microscopy. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3118-3128.	5.5	46
133	Chemical Approaches to 2D Materials. <i>Advanced Materials</i> , 2016, 28, 6027-6029.	21.0	46
134	Molecular Approach to Engineer Two-Dimensional Devices for CMOS and beyond-CMOS Applications. <i>Chemical Reviews</i> , 2022, 122, 50-131.	47.7	46
135	Pyrazolino[60]fullerene-Oligophenylenevinylene Dumbbell-Shaped Arrays: Synthesis, Electrochemistry, Photophysics, and Self-Assembly on Surfaces. <i>Chemistry - A European Journal</i> , 2005, 11, 4405-4415.	3.3	45
136	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, 3125-3128.	4.6	45
137	Graphene/Polymer Nanocomposites for Supercapacitors. <i>ChemNanoMat</i> , 2017, 3, 362-372.	2.8	44
138	Functionalization of 2D Materials with Photosensitive Molecules: From Light-Responsive Hybrid Systems to Multifunctional Devices. <i>Advanced Optical Materials</i> , 2019, 7, 1900286.	7.3	44
139	Functional polymers: scanning force microscopy insights. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3927-3938.	2.8	43
140	Ultrathin π -Conjugated Polymer Films for Simple Fabrication of Large-Area Molecular Junctions. <i>ChemPhysChem</i> , 2007, 8, 515-518.	2.1	43
141	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.	13.7	43
142	Graphene-Based Cementitious Composites: Toward Next-Generation Construction Technologies. <i>Advanced Functional Materials</i> , 2021, 31, 2101887.	14.9	43
143	Nanoribbons from conjugated macromolecules on amorphous substrates observed by SFM and TEM. <i>Nanotechnology</i> , 1999, 10, 77-80.	2.6	42
144	Exploring nanoscale electrical and electronic properties of organic and polymeric functional materials by atomic force microscopy based approaches. <i>Chemical Communications</i> , 2007, , 3326.	4.1	42

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