Vincenzo Palermo

List of Publications by Citations

180 papers	9,257 citations	50 h-index	92 g-index
188 ext. papers	10,313 ext. citations	8.8 avg, IF	5.91 L-index

#	Paper	IF	Citations
180	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. *Nanoscale*, **2015**, 7, 4598-810	7.7	2015
179	Electronic Characterization of Organic Thin Films by Kelvin Probe Force Microscopy. *Advanced Materials*, **2006**, 18, 145-164	24	345
178	High-contrast visualization of graphene oxide on dye-sensitized glass, quartz, and silicon by fluorescence quenching. *Journal of the American Chemical Society*, **2009**, 131, 15576-7	16.4	267
177	Electrical percolation in graphene–polymer composites. *2D Materials*, **2018**, 5, 032003	5.9	181
176	Production and processing of graphene and related materials. *2D Materials*, **2020**, 7, 022001	5.9	179
175	Dispersibility-Dependent Biodegradation of Graphene Oxide by Myeloperoxidase. *Small*, **2015**, 11, 3985-94	11	176
174	Graphene Oxide as a Practical Solution to High Sensitivity Gas Sensing. *Journal of Physical Chemistry C*, **2013**, 117, 10683-10690	3.8	170
173	Molecular self-assembly across multiple length scales. *Angewandte Chemie - International Edition*, **2007**, 46, 4428-32	16.4	164
172	Processing of giant graphene molecules by soft-landing mass spectrometry. *Nature Materials*, **2006**, 5, 276-80	27	161
171	Graphene: The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study (Adv. Funct. Mater. 37/2013). *Advanced Functional Materials*, **2013**, 23, 4756-4756	15.6	160
170	Nanoscale quantitative measurement of the potential of charged nanostructures by electrostatic and Kelvin probe force microscopy: unraveling electronic processes in complex materials. *Accounts of Chemical Research*, **2010**, 43, 541-50	24.3	147
169	Evidencing the mask effect of graphene oxide: a comparative study on primary human and murine phagocytic cells. *Nanoscale*, **2013**, 5, 11234-47	7.7	146
168	Tuning the work-function via strong coupling. *Advanced Materials*, **2013**, 25, 2481-5	24	144
167	A simple method for graphene production based on exfoliation of graphite in water using 1-pyrenesulfonic acid sodium salt. *Carbon*, **2013**, 53, 357-365	10.4	134
166	Local current mapping and patterning of reduced graphene oxide. *Journal of the American Chemical Society*, **2010**, 132, 14130-6	16.4	126
165	Charge transport in graphene–polythiophene blends as studied by Kelvin Probe Force Microscopy and transistor characterization. *Journal of Materials Chemistry*, **2011**, 21, 2924		122
164	Photovoltaic charge generation visualized at the nanoscale: a proof of principle. *Journal of the American Chemical Society*, **2008**, 130, 780-1	16.4	112

163	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. *Nanoscale*, **2013**, 5, 4205-16	7.7	109
162	Nucleation-Governed Reversible Self-Assembly of an Organic Semiconductor at Surfaces: Long-Range Mass Transport Forming Giant Functional Fibers. *Advanced Functional Materials*, **2007**, 17, 3791-3798	15.6	106
161	Nanoscale Mechanics of Graphene and Graphene Oxide in Composites: A Scientific and Technological Perspective. *Advanced Materials*, **2016**, 28, 6232-8	24	103
160	Electrochemical Functionalization of Graphene at the Nanoscale with Self-Assembling Diazonium Salts. *ACS Nano*, **2016**, 10, 7125-34	16.7	102
159	Accurate chemical analysis of oxygenated graphene-based materials using X-ray photoelectron spectroscopy. *Carbon*, **2019**, 143, 268-275	10.4	98
158	Electric-Field-Assisted Alignment of Supramolecular Fibers. *Advanced Materials*, **2006**, 18, 1276-1280	24	89
157	Fragmentation and exfoliation of 2-dimensional materials: a statistical approach. *Nanoscale*, **2014**, 6, 5926-33	7.7	86
156	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. *Nature Communications*, **2016**, 7, 11090	17.4	85
155	Harnessing the liquid-phase exfoliation of graphene using aliphatic compounds: a supramolecular approach. *Angewandte Chemie - International Edition*, **2014**, 53, 10355-61	16.4	82
154	Large work function shift of gold induced by a novel perfluorinated azobenzene-based self-assembled monolayer. *Advanced Materials*, **2013**, 25, 432-6	24	81
153	The relationship between nanoscale architecture and function in photovoltaic multichromophoric arrays as visualized by Kelvin probe force microscopy. *Journal of the American Chemical Society*, **2008**, 130, 14605-14	16.4	80
152	Non-conventional Processing and Post-processing Methods for the Nanostructuring of Conjugated Materials for Organic Electronics. *Advanced Functional Materials*, **2011**, 21, 1279-1295	15.6	76
151	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. *Journal of Materials Chemistry*, **2010**, 20, 9052		74
150	Structural reinforcement and failure analysis in composite nanofibers of graphene oxide and gelatin. *Carbon*, **2014**, 78, 566-577	10.4	71
149	Graphene oxide doped polysulfone membrane adsorbers for the removal of organic contaminants from water. *Chemical Engineering Journal*, **2017**, 326, 130-140	14.7	69
148	Evolution of the size and shape of 2D nanosheets during ultrasonic fragmentation. *2D Materials*, **2017**, 4, 025017	5.9	68
147	Electronic Transport Properties of Ensembles of Perylene-Substituted Poly-isocyanopeptide Arrays. *Advanced Functional Materials*, **2008**, 18, 3947-3955	15.6	68
146	A Kelvin Probe Force Microscopy Study of the Photogeneration of Surface Charges in All-Thiophene Photovoltaic Blends. *Advanced Functional Materials*, **2007**, 17, 472-478	15.6	66

145	Growing perovskite into polymers for easy-processable optoelectronic devices. *Scientific Reports*, **2015**, 5, 7725	4.9	65
144	"Helter-skelter-like" perylene polyisocyanopeptides. *Chemistry - A European Journal*, **2009**, 15, 2536-47	4.8	62
143	Graphene-based coatings on polymer films for gas barrier applications. *Carbon*, **2016**, 96, 503-512	10.4	61
142	Graphene–organic composites for electronics: optical and electronic interactions in vacuum, liquids and thin solid films. *Journal of Materials Chemistry C*, **2014**, 2, 3129	7.1	59
141	Solvent vapour annealing of organic thin films: controlling the self-assembly of functional systems across multiple length scales. *Journal of Materials Chemistry*, **2010**, 20, 2493		57
140	Abrupt orientational changes for liquid crystals adsorbed on a graphite surface. *Physical Review E*, **1998**, 57, R2519-R2522	2.4	57
139	Photoinduced work function changes by isomerization of a densely packed azobenzene-based SAM on Au: a joint experimental and theoretical study. *Physical Chemistry Chemical Physics*, **2011**, 13, 14302-10	3.6	56
138	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. *ChemPlusChem*, **2014**, 79, 439-446	2.8	52
137	Tip–Sample Interactions in Kelvin Probe Force Microscopy: Quantitative Measurement of the Local Surface Potential. *Journal of Physical Chemistry C*, **2008**, 112, 17368-17377	3.8	52
136	Self-assembly of an alkylated guanosine derivative into ordered supramolecular nanoribbons in solution and on solid surfaces. *Chemistry - A European Journal*, **2007**, 13, 3757-64	4.8	52
135	Self-assembly of discotic molecules into mesoscopic crystals by solvent-vapour annealing. *Soft Matter*, **2008**, 4, 2064	3.6	51
134	Self-Organization and Nanoscale Electronic Properties of Azatriphenylene-Based Architectures: A Scanning Probe Microscopy Study. *Advanced Materials*, **2006**, 18, 3313-3317	24	51
133	Graphene transistors via in situ voltage-induced reduction of graphene-oxide under ambient conditions. *Journal of the American Chemical Society*, **2011**, 133, 14320-6	16.4	50
132	The relationship between nanoscale architecture and charge transport in conjugated nanocrystals bridged by multichromophoric Polymers. *Journal of the American Chemical Society*, **2009**, 131, 7055-63	16.4	50
131	Probing Local Surface Potential of Quasi-One-Dimensional Systems: A KPFM Study of P3HT Nanofibers. *Advanced Functional Materials*, **2008**, 18, 907-914	15.6	50
130	Quantitative Measurement of the Local Surface Potential of π-Conjugated Nanostructures: A Kelvin Probe Force Microscopy Study. *Advanced Functional Materials*, **2006**, 16, 1407-1416	15.6	50
129	Multicolor, large-area fluorescence sensing through oligothiophene-self-assembled monolayers. *Chemical Communications*, **2011**, 47, 1689-91	5.8	49
128	Temperature-enhanced solvent vapor annealing of a C3 symmetric hexa-peri-hexabenzocoronene: controlling the self-assembly from nano- to macroscale. *Small*, **2009**, 5, 112-9	11	49

127	Dielectric nanosheets made by liquid-phase exfoliation in water and their use in graphene-based electronics. *2D Materials*, **2014**, 1, 011012	5.9	45
126	Pyrazolino[60]fullerene-oligophenylenevinylene dumbbell-shaped arrays: synthesis, electrochemistry, photophysics, and self-assembly on surfaces. *Chemistry - A European Journal*, **2005**, 11, 4405-15	4.8	45
125	Electronic characterization of supramolecular materials at the nanoscale by Conductive Atomic Force and Kelvin Probe Force microscopies. *Materials Today*, **2014**, 17, 504-517	21.8	42
124	Use of Optical Contrast To Estimate the Degree of Reduction of Graphene Oxide. *Journal of Physical Chemistry C*, **2013**, 117, 620-625	3.8	40
123	Large area extreme-UV lithography of graphene oxide via spatially resolved photoreduction. *Langmuir*, **2012**, 28, 5489-95	4	40
122	Self-organized nanofibers from a giant nanographene: effect of solvent and deposition method. *Journal of Materials Chemistry*, **2006**, 16, 266-271		40
121	Not a molecule, not a polymer, not a substrate□the many faces of graphene as a chemical platform. *Chemical Communications*, **2013**, 49, 2848-57	5.8	39
120	The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study. *Advanced Functional Materials*, **2013**, 23, n/a-n/a	15.6	39
119	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. *2D Materials*, **2019**, 6, 025006	5.9	39
118	Exploring nanoscale electrical and electronic properties of organic and polymeric functional materials by atomic force microscopy based approaches. *Chemical Communications*, **2007**, 3326-37	5.8	38
117	Chemical Approaches to 2D Materials. *Advanced Materials*, **2016**, 28, 6027-9	24	38
116	Functional polymers: scanning force microscopy insights. *Physical Chemistry Chemical Physics*, **2006**, 8, 3927-38	3.6	37
115	Observation of different charge transport regimes and large magnetoresistance in graphene oxide layers. *Carbon*, **2015**, 89, 188-196	10.4	35
114	Uptake of label-free graphene oxide by Caco-2 cells is dependent on the cell differentiation status. *Journal of Nanobiotechnology*, **2017**, 15, 46	9.4	35
113	Graphene oxide for gas detection under standard humidity conditions. *2D Materials*, **2015**, 2, 035018	5.9	35
112	Influence of molecular order on the local work function of nanographene architectures: a Kelvin-probe force microscopy study. *ChemPhysChem*, **2005**, 6, 2371-5	3.2	35
111	Reduction dependent wetting properties of graphene oxide. *Carbon*, **2014**, 77, 473-480	10.4	34
110	Electrochemically exfoliated graphene oxide/iron oxide composite foams for lithium storage, produced by simultaneous graphene reduction and Fe(OH)3 condensation. *Carbon*, **2015**, 84, 254-262	10.4	33

109	Micron-sized [6,6]-phenyl C61 butyric acid methyl ester crystals grown by dip coating in solvent vapour atmosphere: interfaces for organic photovoltaics. *Physical Chemistry Chemical Physics*, **2010**, 12, 4473-80	3.6	31
108	Interaction of graphene-related materials with human intestinal cells: an in vitro approach. *Nanoscale*, **2016**, 8, 8749-60	7.7	31
107	Systematic study of the correlation between surface chemistry, conductivity and electrocatalytic properties of graphene oxide nanosheets. *Carbon*, **2017**, 120, 165-175	10.4	29
106	Enhanced mobility in P3HT-based OTFTs upon blending with a phenylene-thiophene-thiophene-phenylene small molecule. *Chemical Communications*, **2012**, 48, 1562-4	5.8	28
105	Phase separation and affinity between a fluorinated perylene diimide dye and an alkyl-substituted hexa-peri-hexabenzocoronene. *Journal of Materials Chemistry*, **2010**, 20, 71-82		28
104	Highly sensitive amperometric sensor for morphine detection based on electrochemically exfoliated graphene oxide. Application in screening tests of urine samples. *Sensors and Actuators B: Chemical*, **2019**, 281, 739-745	8.5	28
103	Graphene□organic hybrids as processable, tunable platforms for pH-dependent photoemission, obtained by a new modular approach. *Journal of Materials Chemistry*, **2012**, 22, 18237		27
102	Anisotropic molecular packing of soluble C60 fullerenes in hexagonal nanocrystals obtained by solvent vapor annealing. *Carbon*, **2012**, 50, 1332-1337	10.4	27
101	Playing peekaboo with graphene oxide: a scanning electrochemical microscopy investigation. *Chemical Communications*, **2014**, 50, 13117-20	5.8	26
100	Confocal ultrafast pump-probe spectroscopy: a new technique to explore nanoscale composites. *Nanoscale*, **2012**, 4, 2219-26	7.7	26
99	Synthesis, Characterization, and Surface Initiated Polymerization of Carbazole Functionalized Isocyanides. *Chemistry of Materials*, **2010**, 22, 2597-2607	9.6	26
98	Leveraging the ambipolar transport in polymeric field-effect transistors via blending with liquid-phase exfoliated graphene. *Advanced Materials*, **2014**, 26, 4814-9	24	25
97	Light-induced reversible modification of the work function of a new perfluorinated biphenyl azobenzene chemisorbed on Au (111). *Nanoscale*, **2014**, 6, 8969-77	7.7	25
96	Harnessing the Liquid-Phase Exfoliation of Graphene Using Aliphatic Compounds: A Supramolecular Approach. *Angewandte Chemie*, **2014**, 126, 10523-10529	3.6	25
95	Scanning probe microscopy investigation of self-organized perylenetetracarboxdiimide nanostructures at surfaces: structural and electronic properties. *Small*, **2007**, 3, 161-7	11	25
94	Graphene-based nanocomposites for structural and functional applications: using 2-dimensional materials in a 3-dimensional world. *2D Materials*, **2015**, 2, 030205	5.9	24
93	Bottom-up fabricated asymmetric electrodes for organic electronics. *Advanced Materials*, **2010**, 22, 5018-23	24	24
92	Molekulare Selbstorganisation über mehrere Längenskalen. *Angewandte Chemie*, **2007**, 119, 4510-4514	3.6	24

91	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. *Nanoscale*, **2016**, 8, 6739-53	7.7	22
90	Formation of terraced, nearly flat, hydrogen-terminated, (100) Si surfaces after high-temperature treatment in H2 of single-crystalline silicon. *Physical Review B*, **2005**, 72,	3.3	22
89	Real-time imaging of Na reversible intercalation in "Janus" graphene stacks for battery applications. *Science Advances*, **2021**, 7,	14.3	21
88	Graphene, other carbon nanomaterials and the immune system: toward nanoimmunity-by-design. *JPhys Materials*, **2020**, 3, 034009	4.2	20
87	Selective Gas Permeation in Graphene Oxide-Polymer Self-Assembled Multilayers. *ACS Applied Materials & Interfaces*, **2018**, 10, 11242-11250	9.5	20
86	Local surface potential of □conjugated nanostructures by Kelvin probe force microscopy: effect of the sampling depth. *Small*, **2011**, 7, 634-9	11	20
85	Graphene and related materials in hierarchical fiber composites: Production techniques and key industrial benefits. *Composites Science and Technology*, **2020**, 185, 107848	8.6	20
84	Soft confinement of water in graphene-oxide membranes. *Carbon*, **2016**, 108, 199-203	10.4	19
83	Graphene Oxide Promotes Site-Selective Allylic Alkylation of Thiophenes with Alcohols. *Organic Letters*, **2018**, 20, 3705-3709	6.2	19
82	Production of nanostructures of silicon on silicon by atomic self-organization observed by scanning tunneling microscopy. *Applied Physics Letters*, **2002**, 80, 673-675	3.4	19
81	UV Reduced Graphene Oxide PEDOT:PSS Nanocomposite for Perovskite Solar Cells. *IEEE Nanotechnology Magazine*, **2016**, 15, 725-730	2.6	18
80	Multifunctional graphene oxide/biopolymer composite aerogels for microcontaminants removal from drinking water. *Chemosphere*, **2020**, 259, 127501	8.4	17
79	Dose and wavelength dependent study of graphene oxide photoreduction with VUV Synchrotron radiation. *Carbon*, **2014**, 79, 478-485	10.4	17
78	Morphological changes of the Si [1 0 0] surface after treatment with concentrated and diluted HF. *Materials Science in Semiconductor Processing*, **2001**, 4, 437-441	4.3	17
77	Robust Two-Dimensional Electronic Properties in Three-Dimensional Microstructures of Rotationally Stacked Turbostratic Graphene. *Physical Review Applied*, **2017**, 7,	4.3	16
76	Improved Biocompatibility of Amino-Functionalized Graphene Oxide in Caenorhabditis elegans. *Small*, **2019**, 15, e1902699	11	16
75	Dispersion Stability and Surface Morphology Study of Electrochemically Exfoliated Bilayer Graphene Oxide. *Journal of Physical Chemistry C*, **2019**, 123, 15122-15130	3.8	16
74	Exfoliation of Few-Layer Graphene in Volatile Solvents Using Aromatic Perylene Diimide Derivatives as Surfactants. *ChemPlusChem*, **2017**, 82, 358-367	2.8	16

73	Photoconductive and supramolecularly engineered organic field-effect transistors based on fibres from donor-acceptor dyads. *Nanoscale*, **2012**, 4, 1677-81	7.7	16
72	Dynamically Switching the Electronic and Electrostatic Properties of Indium□Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. *ACS Applied Nano Materials*, **2019**, 2, 1102-1110	5.6	15
71	Polydopamine Nanoparticle-Coated Polysulfone Porous Granules as Adsorbents for Water Remediation. *ACS Omega*, **2019**, 4, 4839-4847	3.9	15
70	Modulation of charge transport properties of reduced graphene oxide by submonolayer physisorption of an organic dye. *Organic Electronics*, **2013**, 14, 1787-1792	3.5	15
69	A robust, modular approach to produce graphene-MO multilayer foams as electrodes for Li-ion batteries. *Nanoscale*, **2019**, 11, 5265-5273	7.7	13
68	Polymeric micelles using pseudo-amphiphilic block copolymers and their cellular uptake. *Journal of Materials Chemistry*, **2011**, 21, 2555		13
67	Formation of nanoclusters on silicon from carbon deposition. *Applied Surface Science*, **2004**, 226, 191-196	6.7	13
66	Electrophoretic coating of LiFePO4/Graphene oxide on carbon fibers as cathode electrodes for structural lithium ion batteries. *Composites Science and Technology*, **2021**, 208, 108768	8.6	13
65	Graphene-Induced Enhancement of n-Type Mobility in Perylenediimide Thin Films. *Journal of Physical Chemistry C*, **2014**, 118, 24819-24826	3.8	12
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63	Covalent Organic Framework (COF-1) under High Pressure. *Angewandte Chemie - International Edition*, **2020**, 59, 1087-1092	16.4	12
62	Electrochemical exfoliation of graphite in HSO, LiSO and NaClO solutions monitored in situ by Raman microscopy and spectroscopy. *Faraday Discussions*, **2021**, 227, 291-305	3.6	12
61	Continuous capillary-flow sensing of glucose and lactate in sweat with an electrochemical sensor based on functionalized graphene oxide. *Sensors and Actuators B: Chemical*, **2021**, 344, 130253	8.5	12
60	Biodegradation of graphene materials catalyzed by human eosinophil peroxidase. *Faraday Discussions*, **2021**, 227, 189-203	3.6	12
59	GO/PEDOT:PSS nanocomposites: effect of different dispersing agents on rheological, thermal, wettability and electrochemical properties. *Nanotechnology*, **2017**, 28, 174001	3.4	11
58	Self-assembly of □conjugated discs on heterogeneous surfaces: effect of the micro- and nano-scale dewetting. *Synthetic Metals*, **2004**, 147, 117-121	3.6	11
57	Strain Engineering in Highly Wrinkled CVD Graphene/Epoxy Systems. *ACS Applied Materials & Interfaces*, **2018**, 10, 43192-43202	9.5	11
56	Self-complementary nucleoside-thiophene hybrid systems: synthesis and supramolecular organization. *Macromolecular Rapid Communications*, **2010**, 31, 351-5	4.8	10

55	Nanoscale structural and electronic properties of ultrathin blends of two polyaromatic molecules: a Kelvin probe force microscopy investigation. *ChemPhysChem*, **2006**, 7, 847-53	3.2	10
54	Capillary pressure in graphene oxide nanoporous membranes for enhanced heat transport in Loop Heat Pipes for aeronautics. *Experimental Thermal and Fluid Science*, **2016**, 78, 147-152	3	10
53	Large area fabrication of self-standing nanoporous graphene-on-PMMA substrate. *Materials Letters* , **2016**, 184, 47-51	3.3	10
52	Managing heat phenomena in epoxy composites production via graphenic derivatives: synthesis, properties and industrial production simulation of graphene and graphene oxide containing composites. *2D Materials*, **2017**, 4, 015020	5.9	9
51	Allylic and Allenylic Dearomatization of Indoles Promoted by Graphene Oxide by Covalent Grafting Activation Mode. *Chemistry - A European Journal*, **2020**, 26, 10427-10432	4.8	9
50	Electrostatic transparency of graphene oxide sheets. *Carbon*, **2015**, 86, 188-196	10.4	9
49	Nonlinear subharmonic oscillation of orthotropic graphene-matrix composite. *Computational Materials Science*, **2015**, 99, 164-172	3.2	9
48	Thermal treatment and chemical doping of semi-transparent graphene films. *Organic Electronics*, **2015**, 18, 53-60	3.5	9
47	Exfoliation of graphene with an industrial dye: teaching an old dog new tricks. *2D Materials*, **2014**, 1, 035006	5.9	9
46	Influence of π-stacking on the self-assembly and coiling of multi-chromophoric polymers based on perylenebis(dicarboximides): an AFM study. *Soft Matter*, **2009**, 5, 4680	3.6	8
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43	Graphene oxide-polysulfone filters for tap water purification, obtained by fast microwave oven treatment. *Nanoscale*, **2019**, 11, 22780-22787	7.7	8
42	High yield production of graphene-Fe 2 O 3 nano-composites via electrochemical intercalation of nitromethane and iron chloride, and their application in lithium storage. *FlatChem*, **2017**, 3, 8-15	5.1	7
41	Titanium Dioxide Mesoporous Electrodes for Solid-State Dye-Sensitized Solar Cells: Cross-Analysis of the Critical Parameters. *Advanced Energy Materials*, **2014**, 4, 1301362	21.8	7
40	Orthogonal self-assembly and selective solvent vapour annealing: simplified processing of a photovoltaic blend. *Chemical Communications*, **2013**, 49, 4322-4	5.8	7
39	Self-organised growth of silicon structures on silicon during oxide desorption. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2002**, 88, 220-224	3.1	7
38	Critical Role of Functional Groups Containing N, S, and O on Graphene Surface for Stable and Fast Charging Li-S Batteries. *Small*, **2021**, 17, e2007242	11	7

37	Dopamine-functionalized graphene oxide as a high-performance material for biosensing. *2D Materials*, **2020**, 7, 024007	5.9	6
36	Improving charge transport in poly(3-hexylthiophene) transistors via blending with an alkyl-substituted phenylene□thiophene□thiophene□phenylene molecule. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 642-649	2.6	6
35	The Use of In-line Quantitative Analysis to Follow Polymer Processing. *Macromolecular Symposia*, **2009**, 279, 191-200	0.8	6
34	Real time investigation of the growth of silicon carbide nanocrystals on Si(100) using synchrotron X-ray diffraction. *Applied Surface Science*, **2008**, 254, 2162-2167	6.7	6
33	Lateral diffusion of titanium disilicide as a route to contacting hybrid Si/organic nanostructures. *Applied Physics Letters*, **2002**, 81, 3636-3638	3.4	5
32	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. *ACS Nano*, **2021**, 15, 2654-2667	16.7	5
31	Selective deposition of metal oxide nanoflakes on graphene electrodes to obtain high-performance asymmetric micro-supercapacitors. *Nanoscale*, **2021**, 13, 3285-3294	7.7	5
30	Surface Modifications in Si after Rapid Thermal Annealing. *Journal of the Electrochemical Society*, **2002**, 149, G633	3.9	4
29	Graphene-Paper-Based Electrodes on Plastic and Textile Supports as New Platforms for Amperometric Biosensing. *Advanced Functional Materials*,2107941	15.6	4
28	Printing 2D Materials **2018**, 131-205		4
27	Core-shell graphene oxide-polymer hollow fibers as water filters with enhanced performance and selectivity. *Faraday Discussions*, **2021**, 227, 274-290	3.6	4
26	Morphological and Electrical Characterization of Etched Si Wafers. *Journal of the Electrochemical Society*, **2004**, 151, G554	3.9	3
25	An example of chemistry□morphology interaction: making up for the geometric and energetic heterogeneities of the (1 0 0) surface of single crystalline silicon by high-temperature treatments in H2. *Applied Surface Science*, **2005**, 252, 602-611	6.7	3
24	Enhancing triboelectric performances of electrospun poly(vinylidene fluoride) with graphene oxide sheets. *Graphene Technology*, **2020**, 5, 49-57	1.8	3
23	Covalent Organic Framework (COF-1) under High Pressure. *Angewandte Chemie*, **2020**, 132, 1103-1108	3.6	3
22	Scalable synthesis and purification of functionalized graphene nanosheets for water remediation. *Chemical Communications*, **2021**, 57, 3765-3768	5.8	3
21	Graphene glial-interfaces: challenges and perspectives. *Nanoscale*, **2021**, 13, 4390-4407	7.7	3
20	3D to 2D reorganization of silver-thiol nanostructures, triggered by solvent vapor annealing. *Nanoscale*, **2018**, 10, 23018-23026	7.7	3

19	An Evaluation of Graphene as a Multi-Functional Heating Element for Biomedical Applications. *Journal of Biomedical Nanotechnology*, **2018**, 14, 86-97	4	3
18	Combined microscopies study of the C-contamination induced by extreme-ultraviolet radiation: A surface-dependent secondary-electron-based model. *Applied Physics Letters*, **2012**, 100, 201603	3.4	2
17	Unconventional nanotubes self-assembled in alumina channels: morphology and surface potential of isolated nanostructures at surfaces. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2007**, 365, 1577-88	3	2
16	Comment on luminescent Nanoring Structures on Silicon *Advanced Materials*, **2004**, 16, 1493-1494	24	2
15	Advances in silicon surface characterisation using light beam injection techniques. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2000**, 73, 235-239	3.1	2
14	The role of charge transfer at reduced graphene oxide/organic semiconductor interface on the charge transport properties. *Organic Electronics*, **2020**, 77, 105499	3.5	2
13	Defective graphene nanosheets for drinking water purification: Adsorption mechanism, performance, and recovery. *FlatChem*, **2021**, 29, 100283	5.1	2
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9	Slope-controlled surface instabilities. *Philosophical Magazine Letters*, **2004**, 84, 157-164	1	1
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1 Characterization of Graphene Flexible Materials and Displays **2018**, 207-230