

Vittorio Morandi

List of Publications by Year in descending order

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185
papers

7,417
citations

87888

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h-index

60623

81
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189
all docs

189
docs citations

189
times ranked

13121
citing authors

#	ARTICLE	IF	CITATIONS
1	MgO as promoter for electrocatalytic activities of Co ₃ O ₄ @MgO composite via abundant oxygen vacancies and Co ²⁺ ions towards oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 12672-12682.	7.1	30
2	Binder-free nanostructured germanium anode for high resilience lithium-ion battery. <i>Electrochimica Acta</i> , 2022, 411, 139832.	5.2	14
3	NiCo ₂ O ₄ nanostructures loaded onto pencil graphite rod: An advanced composite material for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6650-6665.	7.1	30
4	Controlled Deposition of Nanostructured Hierarchical TiO ₂ Thin Films by Low Pressure Supersonic Plasma Jets. <i>Nanomaterials</i> , 2022, 12, 533.	4.1	6
5	Light-harvesting antennae based on copper indium sulfide (CIS) quantum dots. <i>Nanoscale</i> , 2022, 14, 3013-3019.	5.6	4
6	All- <i>Electrochemical Nanofabrication of Stacked Ternary Metal Sulfide/Graphene Electrodes for High-Performance Alkaline Batteries.</i> <i>Small</i> , 2022, 18, e2106403.	10.0	3
7	Facile deposition of palladium oxide (PdO) nanoparticles on CoNi ₂ S ₄ microstructures towards enhanced oxygen evolution reaction. <i>Nanotechnology</i> , 2022, 33, 275402.	2.6	8
8	pH Switchable Water Dispersed Photocatalytic Nanoparticles. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
9	Novel Cu(I)-5-nitropyridine-2-thiol Cluster with NIR Emission: Structural and Photophysical Characterization. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10190-10198.	3.1	4
10	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. <i>Electrochimica Acta</i> , 2021, 365, 137294.	5.2	19
11	Electrosynthesis and characterization of Layered Double Hydroxides on different supports. <i>Applied Clay Science</i> , 2021, 202, 105949.	5.2	5
12	Decorating vertically aligned MoS ₂ nanoflakes with silver nanoparticles for inducing a bifunctional electrocatalyst towards oxygen evolution and oxygen reduction reaction. <i>Nano Energy</i> , 2021, 81, 105664.	16.0	46
13	Luminescent silicon nanocrystals appended with photoswitchable azobenzene units. <i>Nanoscale</i> , 2021, 13, 12460-12465.	5.6	5
14	Two step synthesis of TiO ₂ @Co ₃ O ₄ composite for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 9110-9122.	7.1	25
15	Processable Thiophene-Based Polymers with Tailored Electronic Properties and their Application in Solid-State Electrochromic Devices Using Nanoparticle Films. <i>Advanced Electronic Materials</i> , 2021, 7, 2100166.	5.1	9
16	Controllable Synthesis of 2D Nonlayered Cr ₂ S ₃ Nanosheets and Their Electrocatalytic Activity Toward Oxygen Evolution Reaction. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	2.7	5
17	NiMoO ₄ @Co ₃ O ₄ Core-Shell Nanorods: In Situ Catalyst Reconstruction toward High Efficiency Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2101324.	19.5	97
18	Development of a dedicated instrumentation for electrical and thermal characterization of chemiresistive gas sensors. <i>Review of Scientific Instruments</i> , 2021, 92, 074702.	1.3	4

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19	Reduced graphene oxide-ZnO hybrid composites as photocatalysts: The role of nature of the molecular target in catalytic performance. <i>Ceramics International</i> , 2021, 47, 19346-19355.	4.8	10
20	NiMoO ₄ @Co ₃ O ₄ Core-Shell Nanorods: In Situ Catalyst Reconstruction toward High Efficiency Oxygen Evolution Reaction (<i>Adv. Energy Mater.</i> 32/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170128.	19.5	5
21	Microstructural features assessment of different waterlogged wood species by NMR diffusion validated with complementary techniques. <i>Magnetic Resonance Imaging</i> , 2021, 83, 139-151.	1.8	5
22	Nanostructured Co ₃ O ₄ electrocatalyst for OER: The role of organic polyelectrolytes as soft templates. <i>Electrochimica Acta</i> , 2021, 398, 139338.	5.2	30
23	High valence transition metal-doped olivine cathodes for superior energy and fast cycling lithium batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25727-25738.	10.3	12
24	Bioinspired Design of Graphene-Based Materials. <i>Advanced Functional Materials</i> , 2020, 30, 2007458.	14.9	15
25	Microwave-Assisted vs. Conventional Hydrothermal Synthesis of MoS ₂ Nanosheets: Application towards Hydrogen Evolution Reaction. <i>Crystals</i> , 2020, 10, 1040.	2.2	26
26	Au-Decorated Ce-Ti Mixed Oxides for Efficient CO Preferential Photooxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38019-38030.	8.0	12
27	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.	8.0	28
28	ZnO Nanostructured Thin Films via Supersonic Plasma Jet Deposition. <i>Coatings</i> , 2020, 10, 788.	2.6	9
29	Graphene-Based Materials: Bioinspired Design of Graphene-Based Materials (<i>Adv. Funct. Mater.</i> 51/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070336.	14.9	1
30	Facile NiCo ₂ S ₄ /C nanocomposite: an efficient material for water oxidation. <i>Tungsten</i> , 2020, 2, 403-410.	4.8	15
31	Silicon Meet Graphene for a New Family of Near-Infrared Resonant Cavity Enhanced Photodetectors. , 2020, , .		2
32	Chrysalis-Like Graphene Oxide Decorated Vanadium-Based Nanoparticles: An Extremely High-Power Cathode for Magnesium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070547.	2.9	11
33	Influence of the synthesis conditions on the microstructural, compositional and morphological properties of graphene oxide sheets. <i>Ceramics International</i> , 2020, 46, 22067-22078.	4.8	6
34	Water-soluble silicon nanocrystals as NIR luminescent probes for time-gated biomedical imaging. <i>Nanoscale</i> , 2020, 12, 7921-7926.	5.6	20
35	The role of the capping agent and nanocrystal size in photoinduced hydrogen evolution using CdTe/CdS quantum dot sensitizers. <i>Dalton Transactions</i> , 2020, 49, 10212-10223.	3.3	8
36	Nickel-cobalt bimetallic sulfide NiCo ₂ S ₄ nanostructures for a robust hydrogen evolution reaction in acidic media. <i>RSC Advances</i> , 2020, 10, 22196-22203.	3.6	14

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37	Interfaces within biphasic nanoparticles give a boost to magnesium-based hydrogen storage. Nano Energy, 2020, 72, 104654.	16.0	31
38	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	4.4	333
39	Electrochemical Approach for the Production of Layered Double Hydroxides with a Well-Defined Co/Me ^{III} Ratio. Chemistry - A European Journal, 2019, 25, 16301-16310.	3.3	7
40	Nanostructuring Iridium Complexes into Crystalline Phosphorescent Nanoparticles: Structural Characterization, Photophysics, and Biological Applications. ACS Applied Bio Materials, 2019, 2, 4594-4603.	4.6	3
41	AC parallel local oxidation of silicon. Nanoscale Advances, 2019, 1, 3887-3891.	4.6	0
42	Advanced Electrocatalysts for Hydrogen Evolution Reaction Based on Core-Shell MoS ₂ /TiO ₂ Nanostructures in Acidic and Alkaline Media. ACS Applied Energy Materials, 2019, 2, 2053-2062.	5.1	67
43	Bionic synthesis of a magnetic calcite skeletal structure through living foraminifera. Materials Horizons, 2019, 6, 1862-1867.	12.2	9
44	Self-Powered Photodetectors Based on Core-Shell ZnO-Co ₃ O ₄ Nanowire Heterojunctions. ACS Applied Materials & Interfaces, 2019, 11, 23454-23462.	8.0	71
45	Ag ₂ S/MoS ₂ Nanocomposites Anchored on Reduced Graphene Oxide: Fast Interfacial Charge Transfer for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 22380-22389.	8.0	55
46	Dispersion Stability and Surface Morphology Study of Electrochemically Exfoliated Bilayer Graphene Oxide. Journal of Physical Chemistry C, 2019, 123, 15122-15130.	3.1	23
47	Large-area patterning of substrate-conformal MoS ₂ nano-trenches. Nano Research, 2019, 12, 1851-1854.	10.4	16
48	A robust, modular approach to produce graphene-MO _x multilayer foams as electrodes for Li-ion batteries. Nanoscale, 2019, 11, 5265-5273.	5.6	16
49	Hematite nanostructures: An old material for a new story. Simultaneous photoelectrochemical oxidation of benzylamine and hydrogen production through Ti doping. Nano Energy, 2019, 61, 36-46.	16.0	46
50	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. Journal of Materials Chemistry A, 2019, 7, 11241-11249.	10.3	34
51	Mercaptosilane-Passivated CuInS ₂ Quantum Dots for Luminescence Thermometry and Luminescent Labels. ACS Applied Nano Materials, 2019, 2, 2426-2436.	5.0	26
52	One-Step Synthesis of Metal/Oxide Nanocomposites by Gas Phase Condensation. Nanomaterials, 2019, 9, 219.	4.1	13
53	Plasma assisted vapor solid deposition of Co ₃ O ₄ tapered nanorods for energy applications. Journal of Materials Chemistry A, 2019, 7, 26302-26310.	10.3	5
54	Ni/Al Layered Double Hydroxide and Carbon Nanomaterial Composites for Glucose Sensing. ACS Applied Nano Materials, 2019, 2, 143-155.	5.0	29

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55	Novel Keplerate type polyoxometalate-surfactant-graphene hybrids as advanced electrode materials for supercapacitors. <i>Energy Storage Materials</i> , 2019, 17, 186-193.	18.0	34
56	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. <i>2D Materials</i> , 2019, 6, 025006.	4.4	68
57	Structure, morphology and magnetic properties of Au/Fe ₃ O ₄ nanocomposites fabricated by a soft aqueous route. <i>Ceramics International</i> , 2019, 45, 449-456.	4.8	9
58	Superior Doped Olivine Cathodes for Fast Charge/Discharge Lithium Batteries. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
59	Selective Gas Permeation in Graphene Oxide-Polymer Self-Assembled Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11242-11250.	8.0	29
60	Controlled Functionalization of Reduced Graphene Oxide Enabled by Microfluidic Reactors. <i>Chemistry of Materials</i> , 2018, 30, 2905-2914.	6.7	8
61	Mechanical and electrical characterization of CVD-grown graphene transferred on chalcogenide Ge ₂ Sb ₂ Te ₅ layers. <i>Carbon</i> , 2018, 132, 141-151.	10.3	8
62	Controlling the Functional Properties of Oligothiophene Crystalline Nano/Microfibers via Tailoring of the Self-Assembling Molecular Precursors. <i>Advanced Functional Materials</i> , 2018, 28, 1801946.	14.9	21
63	Selective Electrodesorption-Based Atomic Layer Deposition (SEBALD) of Bismuth under Morphological Control. <i>Electrochemical Society Interface</i> , 2018, 27, 77-81.	0.4	4
64	3D to 2D reorganization of silver-thiol nanostructures, triggered by solvent vapor annealing. <i>Nanoscale</i> , 2018, 10, 23018-23026.	5.6	3
65	Permeability and Selectivity of PPO/Graphene Composites as Mixed Matrix Membranes for CO ₂ Capture and Gas Separation. <i>Polymers</i> , 2018, 10, 129.	4.5	38
66	Silica-supported silver nanoparticles as an efficient catalyst for aromatic C-H alkylation and fluoroalkylation. <i>Dalton Transactions</i> , 2018, 47, 9608-9616.	3.3	27
67	Controllable, eco-friendly, synthesis of highly crystalline 2D-MoS ₂ and clarification of the role of growth-induced strain. <i>2D Materials</i> , 2018, 5, 035035.	4.4	23
68	Structure and sieving mechanism of high selective graphene-based membranes. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
69	Three-dimensional microporous graphene decorated with lithium. <i>Nanotechnology</i> , 2018, 29, 405707.	2.6	1
70	Biomimetic graphene for enhanced interaction with the external membrane of astrocytes. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5335-5342.	5.8	21
71	Dopant profile investigation in low-energy scanning transmission electron microscopy. , 2018, , 545-548.		0
72	Poly(3-hexylthiophene) Nanoparticles Containing Thiophene-S</i>, <i>S</i>-dioxide: Tuning of Dimensions, Optical and Redox Properties, and Charge Separation under Illumination. <i>ACS Nano</i> , 2017, 11, 1991-1999.	14.6	31

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73	Hydrogen Desorption Below 150 °C in MgH ₂ –TiH ₂ Composite Nanoparticles: Equilibrium and Kinetic Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11166-11177.	3.1	68
74	Long-Lived Photoinduced Polarons in Organohalide Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3081-3086.	4.6	59
75	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. <i>FlatChem</i> , 2017, 3, 8-15.	5.6	8
76	Investigation of the time-dependent failure of InGaN-based LEDs submitted to reverse-bias stress. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
77	Protein-Based Nanostructures and Their Self-assembly with Graphene Oxide. <i>Carbon Nanostructures</i> , 2017, , 197-210.	0.1	2
78	Synthesis of High-Density Graphene Foams Using Nanoparticle Templates. <i>Carbon Nanostructures</i> , 2017, , 185-196.	0.1	3
79	Silica Nanospheres Coated by Ultrasmall Ag ₀ Nanoparticles for Oxidative Catalytic Application. <i>Colloids and Interface Science Communications</i> , 2017, 21, 1-5.	4.1	12
80	Size-Dependent Photoluminescence Efficiency of Silicon Nanocrystal Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23240-23248.	3.1	104
81	Growth and properties of nanostructured titanium dioxide deposited by supersonic plasma jet deposition. <i>Applied Surface Science</i> , 2017, 425, 407-415.	6.1	15
82	Room temperature ferromagnetism in low dose ion implanted counter-doped Ge:Mn, As. <i>Physica B: Condensed Matter</i> , 2017, 523, 1-5.	2.7	1
83	Cooperative and Reversible Anisotropic Assembly of Gold Nanoparticles by Modulation of Noncovalent Interparticle Interactions. <i>ChemNanoMat</i> , 2017, 3, 874-878.	2.8	12
84	Electrically conductive gamma-alumina/amorphous carbon nano-composite foams. <i>Journal of Alloys and Compounds</i> , 2017, 694, 921-928.	5.5	3
85	Surfactant-free single-layer graphene in water. <i>Nature Chemistry</i> , 2017, 9, 347-352.	13.6	175
86	SEM tomography for the investigation of hybrid structures. <i>Journal of Physics: Conference Series</i> , 2017, 902, 012031.	0.4	0
87	Tracking graphene by fluorescence imaging: a tool for detecting multiple populations of graphene in solution. <i>Nanoscale</i> , 2016, 8, 8505-8511.	5.6	4
88	Large area fabrication of self-standing nanoporous graphene-on-PMMA substrate. <i>Materials Letters</i> , 2016, 184, 47-51.	2.6	12
89	Enhanced reduction in threading dislocation density in Ge grown on porous silicon during annealing due to porous buffer reconstruction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 96-101.	1.8	2
90	Chemical Vapor Deposited Graphene-Based Derivative As High-Performance Hole Transport Material for Organic Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23844-23853.	8.0	29

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91	Control of the size and density of ZnO-nanorods grown onto graphene nanoplatelets in aqueous suspensions. RSC Advances, 2016, 6, 83217-83225.	3.6	17
92	High surface area graphene foams by chemical vapor deposition. 2D Materials, 2016, 3, 045013.	4.4	53
93	Biological application of Compressed Sensing Tomography in the Scanning Electron Microscope. Scientific Reports, 2016, 6, 33354.	3.3	10
94	Engineering interfacial structure in α -Giant-PbS/CdS quantum dots for photoelectrochemical solar energy conversion. Nano Energy, 2016, 30, 531-541.	16.0	88
95	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. Nature Communications, 2016, 7, 11090.	12.8	97
96	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with I^{\pm} -Functionalized Alkanes. Journal of Physical Chemistry Letters, 2016, 7, 2714-2721.	4.6	73
97	Gas-phase synthesis of Mg-Ti nanoparticles for solid-state hydrogen storage. Physical Chemistry Chemical Physics, 2016, 18, 141-148.	2.8	33
98	Dual emission in asymmetric α -Giant-PbS/CdS/CdS core/shell/shell quantum dots. Nanoscale, 2016, 8, 4217-4226.	5.6	54
99	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. Nanoscale, 2016, 8, 6739-6753.	5.6	24
100	Graphene-based coatings on polymer films for gas barrier applications. Carbon, 2016, 96, 503-512.	10.3	69
101	A new apparatus for electron tomography in the scanning electron microscope. AIP Conference Proceedings, 2015, , .	0.4	1
102	STEM electron tomography in the Scanning Electron Microscope. Journal of Physics: Conference Series, 2015, 644, 012012.	0.4	3
103	Photoinduced Processes between Pyrene-Functionalized Silicon Nanocrystals and Carbon Allotropes. Chemistry of Materials, 2015, 27, 4390-4397.	6.7	25
104	Graphene-lipids interaction: Towards the fabrication of a novel sensor for biomedical uses. , 2015, , .		1
105	Uniform Functionalization of High-Quality Graphene with Platinum Nanoparticles for Electrocatalytic Water Reduction. ChemistryOpen, 2015, 4, 268-273.	1.9	12
106	Enhanced Performance of Graphene-Epoxy Flexible Capacitors by Means of Ceramic Fillers. Macromolecular Chemistry and Physics, 2015, 216, 707-713.	2.2	8
107	Conversion of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over Au-based catalysts: Optimization of active phase and metal-support interaction. Applied Catalysis B: Environmental, 2015, 163, 520-530.	20.2	177
108	Reductive dismantling and functionalization of carbon nanohorns. Chemical Communications, 2015, 51, 5017-5019.	4.1	18

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109	Graphene as transparent conducting layer for high temperature thin film device applications. <i>Solar Energy Materials and Solar Cells</i> , 2015, 138, 35-40.	6.2	18
110	Graphene: 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 (Small 14/2015). <i>Small</i> , 2015, 11, 1736-1736.	10.0	1
111	Enhancement of electrical and thermal conductivity of Su-8 photocrosslinked coatings containing graphene. <i>Progress in Organic Coatings</i> , 2015, 86, 143-146.	3.9	25
112	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
113	Electrochemically exfoliated graphene oxide/iron oxide composite foams for lithium storage, produced by simultaneous graphene reduction and Fe(OH) ₃ condensation. <i>Carbon</i> , 2015, 84, 254-262.	10.3	38
114	Graphene as transparent front contact for dye sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 135, 99-105.	6.2	40
115	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , 2015, 7, 4598-4810.	5.6	2,452
116	Improvement of Dye Solar Cell Efficiency by Photoanode Posttreatment. <i>International Journal of Photoenergy</i> , 2014, 2014, 1-10.	2.5	4
117	Ge growth on porous silicon: The effect of buffer porosity on the epilayer crystalline quality. <i>Applied Physics Letters</i> , 2014, 105, 122104.	3.3	10
118	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. <i>ChemPlusChem</i> , 2014, 79, 439-446.	2.8	60
119	Graphene-Epoxy Flexible Transparent Capacitor Obtained By Graphene-Polymer Transfer and UV-Induced Bonding. <i>Macromolecular Rapid Communications</i> , 2014, 35, 355-359.	3.9	13
120	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. <i>Nanoscale</i> , 2014, 6, 741-744.	5.6	13
121	Taguchi optimized synthesis of graphene films by copper catalyzed ethanol decomposition. <i>Diamond and Related Materials</i> , 2014, 41, 73-78.	3.9	29
122	Rapid and highly efficient growth of graphene on copper by chemical vapor deposition of ethanol. <i>Thin Solid Films</i> , 2014, 571, 139-144.	1.8	38
123	ITO-Free Organic Light-Emitting Transistors with Graphene Gate Electrode. <i>ACS Photonics</i> , 2014, 1, 1082-1088.	6.6	20
124	Fragmentation and exfoliation of 2-dimensional materials: a statistical approach. <i>Nanoscale</i> , 2014, 6, 5926-5933.	5.6	100
125	Synthesis and properties of ZnTe and ZnTe/ZnS core/shell semiconductor nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2877-2886.	5.5	39
126	Photoactive Dendrimer for Water Photoreduction: A Scaffold to Combine Sensitizers and Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 798-803.	4.6	20

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127	Folds and Buckles at the Nanoscale: Experimental and Theoretical Investigation of the Bending Properties of Graphene Membranes. <i>Topics in Current Chemistry</i> , 2013, 348, 205-236.	4.0	1
128	High-Temperature Growth of Graphene Films on Copper Foils by Ethanol Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21569-21576.	3.1	68
129	Graphene: The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study (<i>Adv. Funct. Mater.</i> 37/2013). <i>Advanced Functional Materials</i> , 2013, 23, 4756-4756.	14.9	184
130	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
131	The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study. <i>Advanced Functional Materials</i> , 2013, 23, 4684-4693.	14.9	50
132	Graphene-organic hybrids as processable, tunable platforms for pH-dependent photoemission, obtained by a new modular approach. <i>Journal of Materials Chemistry</i> , 2012, 22, 18237.	6.7	30
133	Time and Temperature Dependence of CdS Nanoparticles Grown in a Polystyrene Matrix. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-11.	2.7	25
134	Self-assembly and electrical properties of a novel heptameric thiophene-benzothiadiazole based architectures. <i>Chemical Communications</i> , 2012, 48, 12162.	4.1	15
135	Solutions of fully exfoliated individual graphene flakes in low boiling point solvents. <i>Soft Matter</i> , 2012, 8, 7882.	2.7	46
136	Folded Graphene Membranes: Mapping Curvature at the Nanoscale. <i>Nano Letters</i> , 2012, 12, 5207-5212.	9.1	55
137	Gold Nanoparticles Uptake and Cytotoxicity Assessed on Rat Liver Precision-Cut Slices. <i>Toxicological Sciences</i> , 2012, 128, 186-197.	3.1	43
138	Regenerable Resistive Switching in Silicon Oxide Based Nanojunctions. <i>Advanced Materials</i> , 2012, 24, 1197-1201.	21.0	52
139	Transmission Electron Microscopy Study of Graphene Solutions. <i>Carbon Nanostructures</i> , 2012, , 157-163.	0.1	2
140	Graphene solutions. <i>Chemical Communications</i> , 2011, 47, 5470-5472.	4.1	78
141	CdSe Spherical Quantum Dots Stabilised by Thiomalic Acid: Biphasic Wet Synthesis and Characterisation. <i>ChemPhysChem</i> , 2011, 12, 863-870.	2.1	9
142	Surface electrostatic potentials in carbon nanotubes and graphene membranes investigated with electron holography. <i>Carbon</i> , 2011, 49, 1423-1429.	10.3	15
143	Design of nano-sized FeOx and Au/FeOx catalysts supported on CeO2 for total oxidation of VOC. <i>Applied Catalysis A: General</i> , 2011, 395, 10-18.	4.3	59
144	Structural and gas-sensing characterization of tungsten oxide nanorods and nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011, 153, 340-346.	7.8	53

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145	One pot synthesis of bi-linker stabilised CdSe quantum dots. Journal of Physics: Conference Series, 2010, 245, 012067.	0.4	3
146	Catalytic combustion of toluene over cluster-derived gold/iron catalysts. Applied Catalysis A: General, 2010, 372, 138-146.	4.3	52
147	Chirality dependent surface adhesion of single-walled carbon nanotubes on graphene surfaces. Carbon, 2010, 48, 3050-3056.	10.3	16
148	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. Journal of Materials Chemistry, 2010, 20, 9052.	6.7	82
149	Microwave-assisted synthesis of Au, Ag and Au-Ag nanoparticles and their catalytic activities for the reduction of nitrophenol. Studies in Surface Science and Catalysis, 2010, , 621-624.	1.5	12
150	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.	2.8	31
151	Additive nanoscale embedding of functional nanoparticles on silicon surface. Nanoscale, 2010, 2, 2069.	5.6	27
152	Conductive Sub-micrometric Wires of Platinum-Carbonyl Clusters Fabricated by Soft-Lithography. Journal of the American Chemical Society, 2008, 130, 1177-1182.	13.7	68
153	Quantitative determination of the dopant distribution in Si ultrashallow junctions by tilted sample annular dark field scanning transmission electron microscopy. Applied Physics Letters, 2008, 92, 261907.	3.3	15
154	On the Spatial Resolution and Nanoscale Features Visibility in Scanning Electron Microscopy and Low-Energy Scanning Transmission Electron Microscopy. , 2008, , 521-522.		0
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