

# Vittorio Morandi

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

176 papers	5,671 citations	33 h-index	72 g-index
189 ext. papers	6,600 ext. citations	6.5 avg, IF	5.35 L-index

#	Paper	IF	Citations
176	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
175	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
174	Graphene: The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study (Adv. Funct. Mater. 37/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4756-4756	15.6	160
173	Surfactant-free single-layer graphene in water. <i>Nature Chemistry</i> , <b>2017</b> , 9, 347-352	17.6	138
172	Conversion of 5-hydroxymethylfurfural to 2,5-furandicarboxylic acid over Au-based catalysts: Optimization of active phase and metal-support interaction. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 520-530	21.8	137
171	Nanoscale insight into the exfoliation mechanism of graphene with organic dyes: effect of charge, dipole and molecular structure. <i>Nanoscale</i> , <b>2013</b> , 5, 4205-16	7.7	109
170	Fragmentation and exfoliation of 2-dimensional materials: a statistical approach. <i>Nanoscale</i> , <b>2014</b> , 6, 5926-33	7.7	86
169	Light-enhanced liquid-phase exfoliation and current photoswitching in graphene-azobenzene composites. <i>Nature Communications</i> , <b>2016</b> , 7, 11090	17.4	85
168	Size-Dependent Photoluminescence Efficiency of Silicon Nanocrystal Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23240-23248	3.8	78
167	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> , <b>2015</b> , 11, 1691-702	11	76
166	Facile covalent functionalization of graphene oxide using microwaves: bottom-up development of functional graphitic materials. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9052		74
165	Graphene solutions. <i>Chemical Communications</i> , <b>2011</b> , 47, 5470-2	5.8	73
164	Engineering interfacial structure in Giant PbS/CdS quantum dots for photoelectrochemical solar energy conversion. <i>Nano Energy</i> , <b>2016</b> , 30, 531-541	17.1	70
163	Conductive sub-micrometric wires of platinum-carbonyl clusters fabricated by soft-lithography. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1177-82	16.4	66
162	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with $\pi$ -Functionalized Alkanes. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 2714-21	6.4	64
161	Graphene-based coatings on polymer films for gas barrier applications. <i>Carbon</i> , <b>2016</b> , 96, 503-512	10.4	61
160	Design of nano-sized FeOx and Au/FeOx catalysts supported on CeO2 for total oxidation of VOC. <i>Applied Catalysis A: General</i> , <b>2011</b> , 395, 10-18	5.1	57

159	Hydrogen Desorption Below 150 °C in MgH <sub>2</sub> /TiH <sub>2</sub> Composite Nanoparticles: Equilibrium and Kinetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11166-11177	3.8	52
158	Synergic Exfoliation of Graphene with Organic Molecules and Inorganic Ions for the Electrochemical Production of Flexible Electrodes. <i>ChemPlusChem</i> , <b>2014</b> , 79, 439-446	2.8	52
157	High-Temperature Growth of Graphene Films on Copper Foils by Ethanol Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 21569-21576	3.8	52
156	Folded graphene membranes: mapping curvature at the nanoscale. <i>Nano Letters</i> , <b>2012</b> , 12, 5207-12	11.5	50
155	Structural and gas-sensing characterization of tungsten oxide nanorods and nanoparticles. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 153, 340-346	8.5	49
154	Catalytic combustion of toluene over cluster-derived gold/iron catalysts. <i>Applied Catalysis A: General</i> , <b>2010</b> , 372, 138-146	5.1	49
153	Dual emission in asymmetric "giant" PbS/CdS/CdS core/shell/shell quantum dots. <i>Nanoscale</i> , <b>2016</b> , 8, 4217-26	7.7	48
152	Advanced Electrocatalysts for Hydrogen Evolution Reaction Based on Core/Shell MoS <sub>2</sub> /TiO <sub>2</sub> Nanostructures in Acidic and Alkaline Media. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 2053-2062	6.1	46
151	Long-Lived Photoinduced Polarons in Organohalide Perovskites. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3081-3086	6.4	45
150	High surface area graphene foams by chemical vapor deposition. <i>2D Materials</i> , <b>2016</b> , 3, 045013	5.9	42
149	Regenerable resistive switching in silicon oxide based nanojunctions. <i>Advanced Materials</i> , <b>2012</b> , 24, 11972-11977	20.1	42
148	Solutions of fully exfoliated individual graphene flakes in low boiling point solvents. <i>Soft Matter</i> , <b>2012</b> , 8, 7882	3.6	42
147	The Exfoliation of Graphene in Liquids by Electrochemical, Chemical, and Sonication-Assisted Techniques: A Nanoscale Study. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, n/a-n/a	15.6	39
146	Benchmarking of graphene-based materials: real commercial products versus ideal graphene. <i>2D Materials</i> , <b>2019</b> , 6, 025006	5.9	39
145	Self-Powered Photodetectors Based on Core-Shell ZnO-CoO Nanowire Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 23454-23462	9.5	36
144	AgS/MoS Nanocomposites Anchored on Reduced Graphene Oxide: Fast Interfacial Charge Transfer for Hydrogen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 22380-22389	9.5	33
143	Electrochemically exfoliated graphene oxide/iron oxide composite foams for lithium storage, produced by simultaneous graphene reduction and Fe(OH) <sub>3</sub> condensation. <i>Carbon</i> , <b>2015</b> , 84, 254-262	10.4	33
142	Gold nanoparticles uptake and cytotoxicity assessed on rat liver precision-cut slices. <i>Toxicological Sciences</i> , <b>2012</b> , 128, 186-97	4.4	32

141	Hematite nanostructures: An old material for a new story. Simultaneous photoelectrochemical oxidation of benzylamine and hydrogen production through Ti doping. <i>Nano Energy</i> , <b>2019</b> , 61, 36-46	17.1	31
140	Graphene as transparent front contact for dye sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 135, 99-105	6.4	31
139	Synthesis and properties of ZnTe and ZnTe/ZnS core/shell semiconductor nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 2877-2886	7.1	31
138	Micron-sized [6,6]-phenyl C61 butyric acid methyl ester crystals grown by dip coating in solvent vapour atmosphere: interfaces for organic photovoltaics. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4473-80	3.6	31
137	Rapid and highly efficient growth of graphene on copper by chemical vapor deposition of ethanol. <i>Thin Solid Films</i> , <b>2014</b> , 571, 139-144	2.2	29
136	Backscattered electron imaging and scanning transmission electron microscopy imaging of multi-layers. <i>Ultramicroscopy</i> , <b>2003</b> , 94, 89-98	3.1	29
135	Effects of Ta/Nb-doping on titania-based thin films for gas-sensing. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 108, 21-28	8.5	29
134	Poly(3-hexylthiophene) Nanoparticles Containing Thiophene-S,S-dioxide: Tuning of Dimensions, Optical and Redox Properties, and Charge Separation under Illumination. <i>ACS Nano</i> , <b>2017</b> , 11, 1991-1999	16.7	28
133	Permeability and Selectivity of PPO/Graphene Composites as Mixed Matrix Membranes for CO <sub>2</sub> Capture and Gas Separation. <i>Polymers</i> , <b>2018</b> , 10,	4.5	28
132	Graphene/organic hybrids as processable, tunable platforms for pH-dependent photoemission, obtained by a new modular approach. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18237		27
131	Gas-phase synthesis of Mg-Ti nanoparticles for solid-state hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 141-8	3.6	26
130	Taguchi optimized synthesis of graphene films by copper catalyzed ethanol decomposition. <i>Diamond and Related Materials</i> , <b>2014</b> , 41, 73-78	3.5	26
129	Additive nanoscale embedding of functional nanoparticles on silicon surface. <i>Nanoscale</i> , <b>2010</b> , 2, 2069-72	7.7	25
128	Synthesis of small gold nanoparticles: Au(I) disproportionation catalyzed by a persulfurated coronene dendrimer. <i>Chemical Communications</i> , <b>2007</b> , 4167-9	5.8	25
127	Contrast and resolution versus specimen thickness in low energy scanning transmission electron microscopy. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 114917	2.5	24
126	Chemical Vapor Deposited Graphene-Based Derivative As High-Performance Hole Transport Material for Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23844-53	9.5	23
125	Newly developed electrochemical synthesis of Co-based layered double hydroxides: toward noble metal-free electro-catalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 11241-11249	13	22
124	Supramolecular self-assembly of graphene oxide and metal nanoparticles into stacked multilayers by means of a multitasking protein ring. <i>Nanoscale</i> , <b>2016</b> , 8, 6739-53	7.7	22

123	Photoinduced Processes between Pyrene-Functionalized Silicon Nanocrystals and Carbon Allotropes. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4390-4397	9.6	22
122	Low-energy STEM of multilayers and dopant profiles. <i>Microscopy and Microanalysis</i> , <b>2005</b> , 11, 97-104	0.5	22
121	Enhancement of electrical and thermal conductivity of Su-8 photocrosslinked coatings containing graphene. <i>Progress in Organic Coatings</i> , <b>2015</b> , 86, 143-146	4.8	21
120	Time and Temperature Dependence of CdS Nanoparticles Grown in a Polystyrene Matrix. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-11	3.2	21
119	Silica-supported silver nanoparticles as an efficient catalyst for aromatic C-H alkylation and fluoroalkylation. <i>Dalton Transactions</i> , <b>2018</b> , 47, 9608-9616	4.3	21
118	Selective Gas Permeation in Graphene Oxide-Polymer Self-Assembled Multilayers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11242-11250	9.5	20
117	Photoactive Dendrimer for Water Photoreduction: A Scaffold to Combine Sensitizers and Catalysts. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 798-803	6.4	19
116	NiMoO <sub>4</sub> @Co <sub>3</sub> O <sub>4</sub> Core/Shell Nanorods: In Situ Catalyst Reconstruction toward High Efficiency Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101324	21.8	19
115	Novel Keplerate type polyoxometalate-surfactant-graphene hybrids as advanced electrode materials for supercapacitors. <i>Energy Storage Materials</i> , <b>2019</b> , 17, 186-193	19.4	19
114	ITO-Free Organic Light-Emitting Transistors with Graphene Gate Electrode. <i>ACS Photonics</i> , <b>2014</b> , 1, 108261088	10.88	18
113	Images of dopant profiles in low-energy scanning transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4535-4537	3.4	17
112	Decorating vertically aligned MoS <sub>2</sub> nanoflakes with silver nanoparticles for inducing a bifunctional electrocatalyst towards oxygen evolution and oxygen reduction reaction. <i>Nano Energy</i> , <b>2021</b> , 81, 105664	17.1	17
111	Controlling the Functional Properties of Oligothiophene Crystalline Nano/Microfibers via Tailoring of the Self-Assembling Molecular Precursors. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1801946	15.6	17
110	Dispersion Stability and Surface Morphology Study of Electrochemically Exfoliated Bilayer Graphene Oxide. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 15122-15130	3.8	16
109	Chirality dependent surface adhesion of single-walled carbon nanotubes on graphene surfaces. <i>Carbon</i> , <b>2010</b> , 48, 3050-3056	10.4	16
108	Scanning electron microscopy of thinned specimens: From multilayers to biological samples. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 163113	3.4	16
107	Graphene as transparent conducting layer for high temperature thin film device applications. <i>Solar Energy Materials and Solar Cells</i> , <b>2015</b> , 138, 35-40	6.4	15
106	Quantitative determination of the dopant distribution in Si ultrashallow junctions by tilted sample annular dark field scanning transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 261907	3.4	15

105	Reductive dismantling and functionalization of carbon nanohorns. <i>Chemical Communications</i> , <b>2015</b> , 51, 5017-9	5.8	14
104	Interfaces within biphasic nanoparticles give a boost to magnesium-based hydrogen storage. <i>Nano Energy</i> , <b>2020</b> , 72, 104654	17.1	14
103	Self-assembly and electrical properties of a novel heptameric thiophene-benzothiadiazole based architectures. <i>Chemical Communications</i> , <b>2012</b> , 48, 12162-4	5.8	14
102	Ultrafast and Highly Sensitive Chemically Functionalized Graphene Oxide-Based Humidity Sensors: Harnessing Device Performances via the Supramolecular Approach. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44017-44025	9.5	14
101	Ni/Al Layered Double Hydroxide and Carbon Nanomaterial Composites for Glucose Sensing. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 143-155	5.6	14
100	A robust, modular approach to produce graphene-MO multilayer foams as electrodes for Li-ion batteries. <i>Nanoscale</i> , <b>2019</b> , 11, 5265-5273	7.7	13
99	Mercaptosilane-Passivated CuInS <sub>2</sub> Quantum Dots for Luminescence Thermometry and Luminescent Labels. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 2426-2436	5.6	13
98	Tailoring of quantum dot emission efficiency by localized surface plasmon polaritons in self-organized mesoscopic rings. <i>Nanoscale</i> , <b>2014</b> , 6, 741-4	7.7	13
97	Surface electrostatic potentials in carbon nanotubes and graphene membranes investigated with electron holography. <i>Carbon</i> , <b>2011</b> , 49, 1423-1429	10.4	13
96	Spatial resolution and energy filtering of backscattered electron images in scanning electron microscopy. <i>Ultramicroscopy</i> , <b>2001</b> , 88, 139-50	3.1	13
95	Control of the size and density of ZnO-nanorods grown onto graphene nanoplatelets in aqueous suspensions. <i>RSC Advances</i> , <b>2016</b> , 6, 83217-83225	3.7	12
94	Graphene-epoxy flexible transparent capacitor obtained by graphene-polymer transfer and UV-induced bonding. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 355-9	4.8	12
93	Nano-graphene growth and texturing by Nd:YAG pulsed laser ablation of graphite on Silicon. <i>Journal of Physics: Conference Series</i> , <b>2007</b> , 59, 616-624	0.3	12
92	Large-area patterning of substrate-conformal MoS <sub>2</sub> nano-trenches. <i>Nano Research</i> , <b>2019</b> , 12, 1851-1854	10	11
91	Biomimetic graphene for enhanced interaction with the external membrane of astrocytes. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5335-5342	7.3	11
90	Scanning electron microscopy of dopant distribution in semiconductors. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 101916	3.4	11
89	Controllable, eco-friendly, synthesis of highly crystalline 2D-MoS <sub>2</sub> and clarification of the role of growth-induced strain. <i>2D Materials</i> , <b>2018</b> , 5, 035035	5.9	11
88	Water-soluble silicon nanocrystals as NIR luminescent probes for time-gated biomedical imaging. <i>Nanoscale</i> , <b>2020</b> , 12, 7921-7926	7.7	10

87	Microwave-assisted synthesis of Au, Ag and Au-Ag nanoparticles and their catalytic activities for the reduction of nitrophenol. <i>Studies in Surface Science and Catalysis</i> , <b>2010</b> , 621-624	1.8	10
86	Large area fabrication of self-standing nanoporous graphene-on-PMMA substrate. <i>Materials Letters</i> , <b>2016</b> , 184, 47-51	3.3	10
85	One-Step Synthesis of Metal/Oxide Nanocomposites by Gas Phase Condensation. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	10
84	Silica Nanospheres Coated by Ultrasmall Ag0 Nanoparticles for Oxidative Catalytic Application. <i>Colloids and Interface Science Communications</i> , <b>2017</b> , 21, 1-5	5.4	9
83	Cooperative and Reversible Anisotropic Assembly of Gold Nanoparticles by Modulation of Noncovalent Interparticle Interactions. <i>ChemNanoMat</i> , <b>2017</b> , 3, 874-878	3.5	9
82	Uniform Functionalization of High-Quality Graphene with Platinum Nanoparticles for Electrocatalytic Water Reduction. <i>ChemistryOpen</i> , <b>2015</b> , 4, 268-73	2.3	9
81	Ge growth on porous silicon: The effect of buffer porosity on the epilayer crystalline quality. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 122104	3.4	9
80	CdSe spherical quantum dots stabilised by thiomalic acid: biphasic wet synthesis and characterisation. <i>ChemPhysChem</i> , <b>2011</b> , 12, 863-70	3.2	9
79	Structure, morphology and magnetic properties of Au/Fe <sub>3</sub> O <sub>4</sub> nanocomposites fabricated by a soft aqueous route. <i>Ceramics International</i> , <b>2019</b> , 45, 449-456	5.1	9
78	Mechanical and electrical characterization of CVD-grown graphene transferred on chalcogenide Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> layers. <i>Carbon</i> , <b>2018</b> , 132, 141-151	10.4	8
77	Enhanced Performance of Graphene/Epoxy Flexible Capacitors by Means of Ceramic Fillers. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 707-713	2.6	8
76	Dopant regions imaging in scanning electron microscopy. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 043512	2.5	8
75	The structural and electronic properties of compound SnmOn clusters studied by the Density Functional Theory. <i>European Physical Journal B</i> , <b>2006</b> , 51, 307-313	1.2	8
74	Bioinspired Design of Graphene-Based Materials. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2007458	15.6	8
73	Two step synthesis of TiO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> composite for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 9110-9122	6.7	8
72	High yield production of graphene-Fe <sub>2</sub> O <sub>3</sub> nano-composites via electrochemical intercalation of nitromethane and iron chloride, and their application in lithium storage. <i>FlatChem</i> , <b>2017</b> , 3, 8-15	5.1	7
71	Bionic synthesis of a magnetic calcite skeletal structure through living foraminifera. <i>Materials Horizons</i> , <b>2019</b> , 6, 1862-1867	14.4	7
70	Growth and properties of nanostructured titanium dioxide deposited by supersonic plasma jet deposition. <i>Applied Surface Science</i> , <b>2017</b> , 425, 407-415	6.7	7



69	Microwave-Assisted vs. Conventional Hydrothermal Synthesis of MoS <sub>2</sub> Nanosheets: Application towards Hydrogen Evolution Reaction. <i>Crystals</i> , <b>2020</b> , 10, 1040	2.3	7
68	Au-Decorated Ce-Ti Mixed Oxides for Efficient CO Preferential Photooxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38019-38030	9.5	7
67	Chrysalis-Like Graphene Oxide Decorated Vanadium-Based Nanoparticles: An Extremely High-Power Cathode for Magnesium Secondary Batteries. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 070547	3.9	6
66	The role of the capping agent and nanocrystal size in photoinduced hydrogen evolution using CdTe/CdS quantum dot sensitizers. <i>Dalton Transactions</i> , <b>2020</b> , 49, 10212-10223	4.3	6
65	Controlled Functionalization of Reduced Graphene Oxide Enabled by Microfluidic Reactors. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 2905-2914	9.6	6
64	Biological application of Compressed Sensing Tomography in the Scanning Electron Microscope. <i>Scientific Reports</i> , <b>2016</b> , 6, 33354	4.9	6
63	NiCo <sub>2</sub> O <sub>4</sub> nanostructures loaded onto pencil graphite rod: An advanced composite material for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 6650-6665	6.7	6
62	Electrosynthesis of Ni/Al layered double hydroxide and reduced graphene oxide composites for the development of hybrid capacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 365, 137294	6.7	6
61	Electrochemical Approach for the Production of Layered Double Hydroxides with a Well-Defined Co/Me Ratio. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16301-16310	4.8	5
60	Facile NiCo <sub>2</sub> S <sub>4</sub> /C nanocomposite: an efficient material for water oxidation. <i>Tungsten</i> , <b>2020</b> , 2, 403-410	4.6	5
59	Influence of the synthesis conditions on the microstructural, compositional and morphological properties of graphene oxide sheets. <i>Ceramics International</i> , <b>2020</b> , 46, 22067-22078	5.1	5
58	A computational study on CO adsorption onto SnO <sub>2</sub> small grains. <i>Sensors and Actuators A: Physical</i> , <b>2006</b> , 126, 56-61	3.9	5
57	High valence transition metal-doped olivine cathodes for superior energy and fast cycling lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 25727-25738	13	5
56	Improvement of Dye Solar Cell Efficiency by Photoanode Posttreatment. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-10	2.1	4
55	Electrical and holographic characterization of gold catalyzed titania-based layers. <i>Journal of the European Ceramic Society</i> , <b>2007</b> , 27, 4131-4134	6	4
54	CO adsorption onto tin oxide clusters: DFT calculations. <i>Computational Materials Science</i> , <b>2007</b> , 38, 814-823	3.3	4
53	Defects in nanocrystalline SnO <sub>2</sub> studied by Tight Binding. <i>European Physical Journal B</i> , <b>2004</b> , 42, 435-440	1.2	4
52	On the spatial resolution and nanoscale feature visibility in scanning electron microscopy. <i>Advances in Imaging and Electron Physics</i> , <b>2002</b> , 375-398	0.2	4



51	Nanostructured Co <sub>3</sub> O <sub>4</sub> electrocatalyst for OER: The role of organic polyelectrolytes as soft templates. <i>Electrochimica Acta</i> , <b>2021</b> , 398, 139338	6.7	4
50	Tracking graphene by fluorescence imaging: a tool for detecting multiple populations of graphene in solution. <i>Nanoscale</i> , <b>2016</b> , 8, 8505-11	7.7	4
49	Selective Electrodesorption-Based Atomic Layer Deposition (SEBALD) of Bismuth under Morphological Control. <i>Electrochemical Society Interface</i> , <b>2018</b> , 27, 77-81	3.6	4
48	Synthesis of High-Density Graphene Foams Using Nanoparticle Templates. <i>Carbon Nanostructures</i> , <b>2017</b> , 185-196	0.6	3
47	Nanostructuring Iridium Complexes into Crystalline Phosphorescent Nanoparticles: Structural Characterization, Photophysics, and Biological Applications.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 4594-4603	4.1	3
46	Electrically conductive gamma-alumina/amorphous carbon nano-composite foams. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 921-928	5.7	3
45	ZnO Nanostructured Thin Films via Supersonic Plasma Jet Deposition. <i>Coatings</i> , <b>2020</b> , 10, 788	2.9	3
44	Controllable Synthesis of 2D Nonlayered Cr <sub>2</sub> S <sub>3</sub> Nanosheets and Their Electrocatalytic Activity Toward Oxygen Evolution Reaction. <i>Frontiers in Chemical Engineering</i> , <b>2021</b> , 3,	1	3
43	3D to 2D reorganization of silver-thiol nanostructures, triggered by solvent vapor annealing. <i>Nanoscale</i> , <b>2018</b> , 10, 23018-23026	7.7	3
42	Microstructural features assessment of different waterlogged wood species by NMR diffusion validated with complementary techniques. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 83, 139-151	3.3	3
41	Protein-Based Nanostructures and Their Self-assembly with Graphene Oxide. <i>Carbon Nanostructures</i> , <b>2017</b> , 197-210	0.6	2
40	One pot synthesis of bi-linker stabilised CdSe quantum dots. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 245, 012067	0.3	2
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