

# Stefano Agnoli

## List of Publications by Year in Descending Order

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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.

173  
papers

7,014  
citations

39  
h-index

79  
g-index

178  
ext. papers

7,792  
ext. citations

6.8  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
173	Oxidized multiwalled nanotubes as efficient carbocatalyst for the general synthesis of azines. <i>Journal of Catalysis</i> , <b>2022</b> , 406, 174-183	7.3	1
172	Azide-Alkyne Click Chemistry over a Heterogeneous Copper-Based Single-Atom Catalyst. <i>ACS Catalysis</i> , <b>2022</b> , 12, 2947-2958	13.1	8
171	The Effect of the 3D Nanoarchitecture and Ni-Promotion on the Hydrogen Evolution Reaction in MoS <sub>2</sub> /Reduced GO Aerogel Hybrid Microspheres Produced by a Simple One-Pot Electrospinning Procedure. <i>Small</i> , <b>2022</b> , e2105694	11	1
170	Atom-by-atom identification of catalytic active sites in operando conditions by quantitative noise detection. <i>Joule</i> , <b>2022</b> , 6, 617-635	27.8	6
169	Design Principles and Insights into the Liquid-Phase Exfoliation of Alpha-MoO <sub>3</sub> for the Production of Colloidal 2D Nano-inks in Green Solvents. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 404-415	3.8	0
168	Toward sustainable and effective HER electrocatalysts: strategies for the basal plane site activation of transition metal dichalcogenides. <i>Current Opinion in Electrochemistry</i> , <b>2022</b> , 101025	7.2	1
167	Operando visualization of the hydrogen evolution reaction with atomic-scale precision at different metal/graphene interfaces. <i>Nature Catalysis</i> , <b>2021</b> , 4, 850-859	36.5	19
166	Strain Induced Phase Transition of WS <sub>2</sub> by Local Dewetting of Au/Mica Film upon Annealing. <i>Surfaces</i> , <b>2021</b> , 4, 1-8	2.9	3
165	Hybrid MXene/reduced graphene oxide aerogel microspheres for hydrogen evolution reaction. <i>Ionics</i> , <b>2021</b> , 27, 3099-3108	2.7	5
164	Ce Doping Boosts the Thermo- and Photocatalytic Oxidation of CO at Low Temperature in TiZrO <sub>4</sub> Solid Solutions. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100532	4.6	
163	Interfacial chemistry and electroactivity of black phosphorus decorated with transition metals. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 684-692	6.8	3
162	Facile synthesis by laser ablation in liquid of nonequilibrium cobalt-silver nanoparticles with magnetic and plasmonic properties. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 585, 267-275	9.3	15
161	Solution-processed graphene oxide coatings for enhanced heat transfer during dropwise condensation of steam. <i>Nano Select</i> , <b>2021</b> , 2, 61-71	3.1	2
160	Electrocatalytic hydrogen evolution using hybrid electrodes based on single-walled carbon nanohorns and cobalt(II) polypyridine complexes. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 20032-20039 <sup>13</sup>		1
159	Multimodal hybrid 2D networks via the thiol-epoxide reaction on 1T/2H MoS <sub>2</sub> polytypes. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3470-3479	7.8	
158	Kinetically Stable Nonequilibrium Gold-Cobalt Alloy Nanoparticles with Magnetic and Plasmonic Properties Obtained by Laser Ablation in Liquid. <i>ChemPhysChem</i> , <b>2021</b> , 22, 657-664	3.2	3
157	Polymer-coated silver-iron nanoparticles as efficient and biodegradable MRI contrast agents. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 596, 332-341	9.3	9

156	Phosphazene-Based Covalent Organic Polymer Decorated with NiCo <sub>2</sub> O <sub>4</sub> Nanocuboids as a Trifunctional Electrocatalyst: A Unique Replacement for the Conventional Electrocatalysts. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 9341-9352	6.1	2
155	Preparation and electronic structure of the WSe <sub>2</sub> /graphene/NiSex/Ni(111) heterostructure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2021</b> , 39, 052201	2.9	
154	Tuning on and off chemical- and photo-activity of exfoliated MoSe <sub>2</sub> nanosheets through morphologically selective covalent functionalization with porphyrins. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11019-11030	13	5
153	Assisting Atomic Dispersion of Fe in N-Doped Carbon by Aerosil for High-Efficiency Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 25832-25842	9.5	7
152	Stable, Active, and Methanol-Tolerant PGM-Free Surfaces in an Acidic Medium: Electron Tunneling at Play in Pt/FeNC Hybrid Catalysts for Direct Methanol Fuel Cell Cathodes. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7475-7485	13.1	15
151	Noncovalent Integration of a Bioinspired Ni Catalyst to Graphene Acid for Reversible Electrocatalytic Hydrogen Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 5805-5811	9.5	20
150	Highly Active Gas Phase Organometallic Catalysis Supported Within Metal-Organic Framework Pores. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 13533-13543	16.4	16
149	Postsynthetic Metalated MOFs as Atomically Dispersed Catalysts for Hydroformylation Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 54798-54805	9.5	6
148	Hybrid Transition Metal Dichalcogenide/Graphene Microspheres for Hydrogen Evolution Reaction. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
147	A DVD-MoS/AgS/Ag Nanocomposite Thiol-Conjugated with Porphyrins for an Enhanced Light-Mediated Hydrogen Evolution Reaction. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	1
146	N-Doped Graphene Oxide Nanoparticles Studied by EPR. <i>Applied Magnetic Resonance</i> , <b>2020</b> , 51, 1481-1488	5.3	1
145	One-pot synthesis of MoS <sub>2</sub> (1-x)Se <sub>2x</sub> on N-doped reduced graphene oxide: tailoring chemical and structural properties for photoenhanced hydrogen evolution reaction. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 4830-4840	5.1	1
144	Structural, electronic and photochemical properties of cerium-doped zirconium titanate. <i>Catalysis Today</i> , <b>2020</b> , 340, 49-57	5.3	7
143	Combined high degree of carboxylation and electronic conduction in graphene acid sets new limits for metal free catalysis in alcohol oxidation. <i>Chemical Science</i> , <b>2019</b> , 10, 9438-9445	9.4	13
142	Multiple Reaction Paths for CO Oxidation on a 2D SnOx Nano-Oxide on the Pt(110) Surface: Intrinsic Reactivity and Spillover. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801874	4.6	4
141	Site-Selective Integration of MoS Flakes on Nanopores by Means of Electrophoretic Deposition. <i>ACS Omega</i> , <b>2019</b> , 4, 9294-9300	3.9	11
140	CeOx/TiO <sub>2</sub> (Rutile) Nanocomposites for the Low-Temperature Dehydrogenation of Ethanol to Acetaldehyde: A Diffuse Reflectance Infrared Fourier Transform Spectroscopy/Mass Spectrometry Study. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3434-3443	5.6	5
139	Reversible adsorption of oxygen as superoxide ion on cerium doped zirconium titanate. <i>Applied Catalysis A: General</i> , <b>2019</b> , 580, 140-148	5.1	7

138	Electronic Structure-Dependent Surface Plasmon Resonance in Single Au-Fe Nanoalloys. <i>Nano Letters</i> , <b>2019</b> , 19, 5754-5761	11.5	20
137	Palladium nanoparticles supported on graphene acid: a stable and eco-friendly bifunctional C <sub>60</sub> homo- and cross-coupling catalyst. <i>Green Chemistry</i> , <b>2019</b> , 21, 5238-5247	10	23
136	Electrophoretic Deposition of WS <sub>2</sub> Flakes on Nanoholes Arrays-Role of Used Suspension Medium. <i>Materials</i> , <b>2019</b> , 12,	3.5	3
135	Effect of Ni Doping on the MoS <sub>2</sub> Structure and Its Hydrogen Evolution Activity in Acid and Alkaline Electrolytes. <i>Surfaces</i> , <b>2019</b> , 2, 531-545	2.9	19
134	Clean rhodium nanoparticles prepared by laser ablation in liquid for high performance electrocatalysis of the hydrogen evolution reaction. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 4296-4300	5.1	10
133	Arene CH insertion catalyzed by ferrocene covalently heterogenized on graphene acid. <i>Carbon</i> , <b>2019</b> , 143, 318-328	10.4	17
132	Microscopic insight into the single step growth of in-plane heterostructures between graphene and hexagonal boron nitride. <i>Nano Research</i> , <b>2019</b> , 12, 675-682	10	11
131	Unraveling the Structural and Electronic Properties at the WSe <sub>2</sub> /Graphene Interface for a Rational Design of van der Waals Heterostructures. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1131-1140	5.6	12
130	Metallic Twin Boundaries Boost the Hydrogen Evolution Reaction on the Basal Plane of Molybdenum Selenotellurides. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800031	21.8	66
129	Fundamentals of chemical functionalities at oxide interfaces. <i>Journal of Physics Condensed Matter</i> , <b>2018</b> , 30, 170301	1.8	
128	Morphology and Size Effect of Ceria Nanostructures on the Catalytic Performances of Pd/CeO <sub>2</sub> Catalysts for Methanol Decomposition to Syngas. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1492-1501	5.6	17
127	Enhancing the Oxygen Electroreduction Activity through Electron Tunnelling: CoOx Ultrathin Films on Pd(100). <i>ACS Catalysis</i> , <b>2018</b> , 8, 2343-2352	13.1	28
126	A Combined Electrochemical-Microfluidic Strategy for the Microscale-Sized Selective Modification of Transparent Conductive Oxides. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701222	4.6	1
125	The oxidative cleavage of trans-1,2-cyclohexanediol with O <sub>2</sub> : Catalysis by supported Au nanoparticles. <i>Applied Catalysis A: General</i> , <b>2018</b> , 557, 89-98	5.1	16
124	Nanoaggregates of iron poly-oxo-clusters obtained by laser ablation in aqueous solution of phosphonates. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 522, 208-216	9.3	12
123	Insights into the durability of CoFe spinel oxygen evolution electrocatalysts via operando studies of the catalyst structure. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7034-7041	13	35
122	Wollastonite-diopside-carbon composite foams from a silicone resin and inorganic fillers. <i>Ceramics International</i> , <b>2018</b> , 44, 931-937	5.1	9
121	Interfacial Chemistry of Low-Dimensional Systems for Applications in Nanocatalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 4311-4321	2.3	5

120	Cerium Oxide Nanostructures on Titania: Effect of the Structure and Stoichiometry on the Reactivity Toward Ethanol Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 20809-20816	3.8	2
119	Interfacial Chemistry of Low-Dimensional Systems for Applications in Nanocatalysis. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 4310-4310	2.3	
118	Surface Engineering of Chemically Exfoliated MoS <sub>2</sub> in a Click-How To Generate Versatile Multifunctional Transition Metal Dichalcogenides-Based Platforms. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 8257-8269	9.6	19
117	Growth and electronic structure of 2D hexagonal nanosheets on a corrugated rectangular substrate. <i>Nanotechnology</i> , <b>2018</b> , 29, 485201	3.4	12
116	Hybrid plasmonic nanostructures based on controlled integration of MoS flakes on metallic nanoholes. <i>Nanoscale</i> , <b>2018</b> , 10, 17105-17111	7.7	22
115	Oxidation of d-Glucose to Glucaric Acid Using Au/C Catalysts. <i>ChemCatChem</i> , <b>2017</b> , 9, 2797-2806	5.2	38
114	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2236-2242	7.4	87
113	Indium selenide: an insight into electronic band structure and surface excitations. <i>Scientific Reports</i> , <b>2017</b> , 7, 3445	4.9	42
112	Substrate Grain-Dependent Chemistry of Carburized Planar Anodic TiO on Polycrystalline Ti. <i>ACS Omega</i> , <b>2017</b> , 2, 631-640	3.9	6
111	Oxidation effects on the SERS response of silver nanoprism arrays. <i>RSC Advances</i> , <b>2017</b> , 7, 369-378	3.7	47
110	High-Mobility and High-Optical Quality Atomically Thin WS. <i>Scientific Reports</i> , <b>2017</b> , 7, 14911	4.9	54
109	Cobalt Spinel Nanocubes on N-Doped Graphene: A Synergistic Hybrid Electrocatalyst for the Highly Selective Reduction of Carbon Dioxide to Formic Acid. <i>ACS Catalysis</i> , <b>2017</b> , 7, 7695-7703	13.1	59
108	Effect of Air-Aging on the Electrochemical Characteristics of TiO <sub>x</sub> Cy Films for Electrocatalysis Applications. <i>ChemElectroChem</i> , <b>2017</b> , 4, 3100-3109	4.3	1
107	In operando XAS investigation of reduction and oxidation processes in cobalt and iron mixed spinels during the chemical loop reforming of ethanol. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20808-20817	13.3	16
106	Ag-Vanadates/GO Nanocomposites by Aerosol-Assisted Spray Pyrolysis: Preparation and Structural and Electrochemical Characterization of a Versatile Material. <i>ACS Omega</i> , <b>2017</b> , 2, 2792-2802	3.9	10
105	A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO <sub>2</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22617-27	3.6	7
104	The magnetization orientation of Fe ultrathin layers in contact with graphene. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 33233-33239	3.6	7
103	A DFT Structural Investigation of New Bimetallic PtSn <sub>x</sub> Surface Alloys Formed on the Pt(110) Surface and Their Interaction with Carbon Monoxide. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 25306-25316	3.8	4

102	A synchrotron-based spectroscopic study of the electronic structure of N-doped HOPG and PdY/N-doped HOPG. <i>Surface Science</i> , <b>2016</b> , 646, 132-139	1.8	12
101	Surface-Confined Polymerization of Halogenated Polyacenes: The Case of Dibromotetracene on Ag(110). <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 4909-4918	3.8	20
100	Electrochemical Behavior of TiO(x)C(y) as Catalyst Support for Direct Ethanol Fuel Cells at Intermediate Temperature: From Planar Systems to Powders. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 716-25	9.5	27
99	Water oxidation electrocatalysis with iron oxide nanoparticles prepared via laser ablation. <i>Journal of Energy Chemistry</i> , <b>2016</b> , 25, 246-250	12	20
98	Towards an improved process for hydrogen production: the chemical-loop reforming of ethanol. <i>Green Chemistry</i> , <b>2016</b> , 18, 1038-1050	10	27
97	Combined Photoemission Spectroscopy and Electrochemical Study of a Mixture of (Oxy)carbides as Potential Innovative Supports and Electrocatalysts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 19418-19427	9.5	4
96	Formation of a Quasi-Free-Standing Single Layer of Graphene and Hexagonal Boron Nitride on Pt(111) by a Single Molecular Precursor. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1120-1126	15.6	26
95	Fabrication of Ti substrate grain dependent C/TiO2 composites through carbothermal treatment of anodic TiO2. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 9220-31	3.6	5
94	Water-gas shift reaction over gold nanoparticles dispersed on nanostructured CeOx/TiO2(110) surfaces: Effects of high ceria coverage. <i>Surface Science</i> , <b>2016</b> , 650, 34-39	1.8	11
93	Doping graphene with boron: a review of synthesis methods, physicochemical characterization, and emerging applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5002-5025	13	296
92	Unveiling the Mechanisms Leading to H2 Production Promoted by Water Decomposition on Epitaxial Graphene at Room Temperature. <i>ACS Nano</i> , <b>2016</b> , 10, 4543-9	16.7	56
91	Synthesis of graphene nanoribbons with a defined mixed edge-site sequence by surface assisted polymerization of (1,6)-dibromopyrene on Ag(110). <i>Nanoscale</i> , <b>2016</b> , 8, 17843-17853	7.7	16
90	Metastable alloy nanoparticles, metal-oxide nanocrescents and nanoshells generated by laser ablation in liquid solution: influence of the chemical environment on structure and composition. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 28076-87	3.6	63
89	On-surface photo-dissociation of C-Br bonds: towards room temperature Ullmann coupling. <i>Chemical Communications</i> , <b>2015</b> , 51, 12593-6	5.8	49
88	New Strategy for the Growth of Complex Heterostructures Based on Different 2D Materials. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4105-4113	9.6	28
87	Intermediates Arising from the Water-gas Shift Reaction over Cu Surfaces: From UHV to Near Atmospheric Pressures. <i>Topics in Catalysis</i> , <b>2015</b> , 58, 271-280	2.3	12
86	Fast One-Pot Synthesis of MoS2/Crumpled Graphene p-n Nanonjunctions for Enhanced Photoelectrochemical Hydrogen Production. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25685-92	9.5	57
85	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , <b>2015</b> , 8, 4007-4023	10	49

84	Metal-support interaction in platinum and palladium nanoparticles loaded on nitrogen-doped mesoporous carbon for oxygen reduction reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1170-1179	9.5	129
83	The nature of the Fe-graphene interface at the nanometer level. <i>Nanoscale</i> , <b>2015</b> , 7, 2450-60	7.7	33
82	The dynamics of Fe intercalation on pure and nitrogen doped graphene grown on Pt(111) probed by CO adsorption. <i>Surface Science</i> , <b>2015</b> , 634, 49-56	1.8	6
81	Single and Multiple Doping in Graphene Quantum Dots: Unraveling the Origin of Selectivity in the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , <b>2015</b> , 5, 129-144	13.1	142
80	Control of the intermolecular coupling of dibromotetracene on Cu(110) by the sequential activation of C-Br and C-H bonds. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 5826-35	4.8	22
79	In-Situ Carbon Doping of TiO <sub>2</sub> Nanotubes Via Anodization in Graphene Oxide Quantum Dot Containing Electrolyte and Carburization to TiO <sub>x</sub> C <sub>y</sub> Nanotubes. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400462	4.6	20
78	Multiple doping of graphene oxide foams and quantum dots: new switchable systems for oxygen reduction and water remediation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14334-14347	13	51
77	Vanadium oxide nanostructures on another oxide: The viewpoint from model catalysts studies. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 301-302, 106-122	23.2	43
76	Electrocatalysis at palladium nanoparticles: Effect of the support nitrogen doping on the catalytic activation of carbonhalogen bond. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 300-307	21.8	44
75	TiO <sub>2</sub> /graphene nanocomposites from the direct reduction of graphene oxide by metal evaporation. <i>Carbon</i> , <b>2014</b> , 68, 319-329	10.4	28
74	Structure and special chemical reactivity of interface-stabilized cerium oxide nanolayers on TiO <sub>2</sub> (110). <i>Nanoscale</i> , <b>2014</b> , 6, 800-10	7.7	16
73	The Unique Properties of the Oxide-Metal Interface: Reaction of Ethanol on an Inverse Model CeO <sub>x</sub> /Au(111) Catalyst. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 25057-25064	3.8	21
72	Strong dependence of surface plasmon resonance and surface enhanced Raman scattering on the composition of Au-Fe nanoalloys. <i>Nanoscale</i> , <b>2014</b> , 6, 1423-33	7.7	79
71	TiO <sub>2</sub> @CeO <sub>x</sub> core-shell nanoparticles as artificial enzymes with peroxidase-like activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 20130-6	9.5	77
70	Fluorine- and Niobium-Doped TiO <sub>2</sub> : Chemical and Spectroscopic Properties of Polycrystalline n-Type-Doped Anatase. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8462-8473	3.8	56
69	Pd Nanoparticles deposited on nitrogen-doped HOPG: New Insights into the Pd-catalyzed Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , <b>2014</b> , 141, 89-101	6.7	39
68	Mesoscale assembly of chemically modified graphene into complex cellular networks. <i>Nature Communications</i> , <b>2014</b> , 5, 4328	17.4	206
67	Zr <sub>2</sub> O <sub>3</sub> Nanostripes on TiO <sub>2</sub> (110) Prepared by UHV Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 8026-8033	3.8	4

66	Carbothermal Transformation of TiO <sub>2</sub> into TiO <sub>x</sub> C <sub>y</sub> in UHV: Tracking Intrinsic Chemical Stabilities. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22601-22610	3.8	26
65	From Vanadia Nanoclusters to Ultrathin Films on TiO <sub>2</sub> (110): Evolution of the Yield and Selectivity in the Ethanol Oxidation Reaction. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3715-3723	13.1	22
64	Synthesis of luminescent 3D microstructures formed by carbon quantum dots and their self-assembly properties. <i>Chemical Communications</i> , <b>2014</b> , 50, 6592-5	5.8	39
63	Shaping graphene oxide by electrochemistry: From foams to self-assembled molecular materials. <i>Carbon</i> , <b>2014</b> , 77, 405-415	10.4	26
62	Ultrathin Oxide Films <b>2014</b> , 585-640		
61	Optoelectrochemical biorecognition by optically transparent highly conductive graphene-modified fluorine-doped tin oxide substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22769-77	9.5	15
60	Structural and spectroscopic characterization of CeO <sub>2</sub> /TiO <sub>2</sub> mixed oxides. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10918	13	44
59	Importance of the metal-oxide interface in catalysis: in situ studies of the water-gas shift reaction by ambient-pressure X-ray photoelectron spectroscopy. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5101-5	16.4	245
58	From novel PtSn/Pt(110) surface alloys to SnO <sub>x</sub> /Pt(110) nano-oxides. <i>Surface Science</i> , <b>2013</b> , 615, 103-109.8		5
57	Atomic structure and special reactivity toward methanol oxidation of vanadia nanoclusters on TiO <sub>2</sub> (110). <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17331-8	16.4	35
56	Second generation graphene: Opportunities and challenges for surface science. <i>Surface Science</i> , <b>2013</b> , 609, 1-5	1.8	47
55	Palladium nanoparticles supported on nitrogen-doped HOPG: a surface science and electrochemical study. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 2923-31	3.6	38
54	Electrochemical behavior of N and Ar implanted highly oriented pyrolytic graphite substrates and activity toward oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2013</b> , 88, 477-487	6.7	47
53	Microscopic View on a Chemical Vapor Deposition Route to Boron-Doped Graphene Nanostructures. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 1490-1495	9.6	112
52	Searching for the Formation of TiB Bonds in B-Doped TiO <sub>2</sub> Rutile. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13163-13172	3.8	21
51	Surface functionalization of fluorine-doped tin oxide samples through electrochemical grafting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 12887-94	9.5	24
50	Importance of the Metal-Oxide Interface in Catalysis: In Situ Studies of the Water-Gas Shift Reaction by Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5205-5209	3.6	30
49	CO optical sensing properties of nanocrystalline ZnO/Au films: Effect of doping with transition metal ions. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 161, 675-683	8.5	38



48	Water Adsorption on Different TiO <sub>2</sub> Polymorphs Grown as Ultrathin Films on Pt(111). <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 12532-12540	3.8	16
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41	Interplay between Layer-Resolved Chemical Composition and Electronic Structure in a Sn/Pt(110) Surface Alloy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 14264-14269	3.8	13
40	Template-assisted assembly of transition metal nanoparticles on oxide ultrathin films. <i>Progress in Surface Science</i> , <b>2011</b> , 86, 59-81	6.6	37
39	High resolution photoemission and x-ray absorption spectroscopy of a lepidocrocite-like TiO <sub>2</sub> nanosheet on Pt(110) (1 × 2). <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 054706	3.9	13
38	Self-assembled Transition Metal Nanoparticles on Oxide Nanotemplates. <i>Nanoscience and Technology</i> , <b>2011</b> , 415-437	0.6	
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35	Strained c(4 × 2) CoO(1 0 0)-like monolayer on Pd(1 0 0): Experiment and theory. <i>Surface Science</i> , <b>2010</b> , 604, 529-534	1.8	26
34	Stability of TiO <sub>2</sub> polymorphs: exploring the extreme frontier of the nanoscale. <i>ChemPhysChem</i> , <b>2010</b> , 11, 1550-7	3.2	31
33	High Activity of Ce <sub>1-x</sub> Ni <sub>x</sub> O <sub>2-y</sub> for H <sub>2</sub> Production through Ethanol Steam Reforming: Tuning Catalytic Performance through Metal-Oxide Interactions. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 9874-9878	3.6	31
32	High activity of Ce(1-x)Ni(x)O(2-y) for H(2) production through ethanol steam reforming: tuning catalytic performance through metal-oxide interactions. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 9680-4	16.4	88
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29	Evolution of Electrical, Chemical, and Structural Properties of Transparent and Conducting Chemically Derived Graphene Thin Films. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2577-2583	15.6	1451
28	The nitrogen photoactive centre in N-doped titanium dioxide formed via interaction of N atoms with the solid. Nature and energy level of the species. <i>Chemical Physics Letters</i> , <b>2009</b> , 477, 135-138	2.5	80
27	Silicon carbide thin films for EUV and soft X-ray applications. <i>European Physical Journal: Special Topics</i> , <b>2009</b> , 169, 159-165	2.3	10
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25	Directed assembly of Au and Fe nanoparticles on a TiO <sub>x</sub> /Pt(111) ultrathin template: the role of oxygen affinity. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 11305-9	3.6	19
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22	Linearly Polarized X-ray Absorption Investigation of Ultrathin NiO <sub>x</sub> /Pd(100) Films. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 5123-5128	3.8	2
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18	The Nature of Defects in Fluorine-Doped TiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 8951-8956	3.8	293
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12	Ultrathin wagon-wheel-like TiO <sub>x</sub> phases on Pt(111): a combined low-energy electron diffraction and scanning tunneling microscopy investigation. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 15359-67	3-4	52
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10	Experimental and theoretical study of a surface stabilized monolayer phase of nickel oxide on Pd(100). <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 17197-204	3-4	42
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7	Growth and thermal behaviour of NiO nanolayers on Pd(100). <i>Surface Science</i> , <b>2005</b> , 599, 1-13	1-8	34
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2	Graphene Acid: a Versatile 2D Platform for Catalysis. <i>Israel Journal of Chemistry</i> ,	3-4	2
1	Ruthenium-p-cymene Complex Side-Wall Covalently Bonded to Carbon Nanotubes as Efficient Hybrid Transfer Hydrogenation Catalyst. <i>ChemCatChem</i> ,	5-2	1