

Stefano Agnoli

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papers

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178
ext. papers

7,792
ext. citations

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5.85
L-index

#	Paper	IF	Citations
173	Evolution of Electrical, Chemical, and Structural Properties of Transparent and Conducting Chemically Derived Graphene Thin Films. <i>Advanced Functional Materials</i> , 2009 , 19, 2577-2583	15.6	1451
172	Activation energy paths for graphene nucleation and growth on Cu. <i>ACS Nano</i> , 2012 , 6, 3614-23	16.7	315
171	Doping graphene with boron: a review of synthesis methods, physicochemical characterization, and emerging applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5002-5025	13	296
170	The Nature of Defects in Fluorine-Doped TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8951-8956	3.8	293
169	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> , 2013 , 52, 5101-5	16.4	245
168	Mesoscale assembly of chemically modified graphene into complex cellular networks. <i>Nature Communications</i> , 2014 , 5, 4328	17.4	206
167	Ultrathin TiO(x) films on Pt(111): a LEED, XPS, and STM investigation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 24411-26	3.4	151
166	Single and Multiple Doping in Graphene Quantum Dots: Unraveling the Origin of Selectivity in the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2015 , 5, 129-144	13.1	142
165	Metal-support interaction in platinum and palladium nanoparticles loaded on nitrogen-doped mesoporous carbon for oxygen reduction reaction. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11702-5	9.5	129
164	Microscopic View on a Chemical Vapor Deposition Route to Boron-Doped Graphene Nanostructures. <i>Chemistry of Materials</i> , 2013 , 25, 1490-1495	9.6	112
163	Water-Gas Shift and CO Methanation Reactions over Ni/CeO ₂ (111) Catalysts. <i>Topics in Catalysis</i> , 2011 , 54, 34-41	2.3	99
162	Au Nanoparticles in Nanocrystalline TiO ₂ /NiO Films for SPR-Based, Selective H ₂ S Gas Sensing. <i>Chemistry of Materials</i> , 2010 , 22, 3407-3417	9.6	94
161	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> , 2010 , 49, 9680-4	16.4	88
160	Spectroscopic Insights into Carbon Dot Systems. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2236-2243	7.4	87
159	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> , 2009 , 477, 135-138	2.5	80
158	Strong dependence of surface plasmon resonance and surface enhanced Raman scattering on the composition of Au-Fe nanoalloys. <i>Nanoscale</i> , 2014 , 6, 1423-33	7.7	79
157	TiO ₂ @CeO _x core-shell nanoparticles as artificial enzymes with peroxidase-like activity. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20130-6	9.5	77

156	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3803		67
155	Metallic Twin Boundaries Boost the Hydrogen Evolution Reaction on the Basal Plane of Molybdenum Selenotellurides. <i>Advanced Energy Materials</i> , 2018 , 8, 1800031	21.8	66
154	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> , 2015 , 17, 28076-87	3.6	63
153	Structure of Reduced Ultrathin TiO _x Polar Films on Pt(111). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5721-5729	3.8	60
152	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> , 2017 , 7, 7695-7703	13.1	59
151	Fast One-Pot Synthesis of MoS ₂ /Crumpled Graphene p-n Nanonjunctions for Enhanced Photoelectrochemical Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 25685-92	9.5	57
150	Fluorine- and Niobium-Doped TiO ₂ : Chemical and Spectroscopic Properties of Polycrystalline n-Type-Doped Anatase. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8462-8473	3.8	56
149	Unveiling the Mechanisms Leading to H ₂ Production Promoted by Water Decomposition on Epitaxial Graphene at Room Temperature. <i>ACS Nano</i> , 2016 , 10, 4543-9	16.7	56
148	High-Mobility and High-Optical Quality Atomically Thin WS ₂ . <i>Scientific Reports</i> , 2017 , 7, 14911	4.9	54
147	Ultrathin wagon-wheel-like TiO _x phases on Pt(111): a combined low-energy electron diffraction and scanning tunneling microscopy investigation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 15359-67	3.4	52
146	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> , 2015 , 3, 14334-14347	13	51
145	On-surface photo-dissociation of C-Br bonds: towards room temperature Ullmann coupling. <i>Chemical Communications</i> , 2015 , 51, 12593-6	5.8	49
144	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , 2015 , 8, 4007-4023	10	49
143	Oxidation effects on the SERS response of silver nanoprism arrays. <i>RSC Advances</i> , 2017 , 7, 369-378	3.7	47
142	Second generation graphene: Opportunities and challenges for surface science. <i>Surface Science</i> , 2013 , 609, 1-5	1.8	47
141	Electrochemical behavior of N and Ar implanted highly oriented pyrolytic graphite substrates and activity toward oxygen reduction reaction. <i>Electrochimica Acta</i> , 2013 , 88, 477-487	6.7	47
140	Electrocatalysis at palladium nanoparticles: Effect of the support nitrogen doping on the catalytic activation of carbonhalogen bond. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 300-307	21.8	44
139	Structural and spectroscopic characterization of CeO ₂ /TiO ₂ mixed oxides. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10918	13	44

138	Vanadium oxide nanostructures on another oxide: The viewpoint from model catalysts studies. <i>Coordination Chemistry Reviews</i> , 2015 , 301-302, 106-122	23.2	43
137	Indium selenide: an insight into electronic band structure and surface excitations. <i>Scientific Reports</i> , 2017 , 7, 3445	4.9	42
136	CeO ₂ <-> CuO _x Interactions and the Controlled Assembly of CeO ₂ (111) and CeO ₂ (100) Nanoparticles on an Oxidized Cu(111) Substrate. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23062-23066	3.8	42
135	Experimental and theoretical study of a surface stabilized monolayer phase of nickel oxide on Pd(100). <i>Journal of Physical Chemistry B</i> , 2005 , 109, 17197-204	3.4	42
134	Pd Nanoparticles deposited on nitrogen-doped HOPG: New Insights into the Pd-catalyzed Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , 2014 , 141, 89-101	6.7	39
133	Synthesis of luminescent 3D microstructures formed by carbon quantum dots and their self-assembly properties. <i>Chemical Communications</i> , 2014 , 50, 6592-5	5.8	39
132	Oxidation of d-Glucose to Glucaric Acid Using Au/C Catalysts. <i>ChemCatChem</i> , 2017 , 9, 2797-2806	5.2	38
131	CO optical sensing properties of nanocrystalline ZnO/Au films: Effect of doping with transition metal ions. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 675-683	8.5	38
130	Palladium nanoparticles supported on nitrogen-doped HOPG: a surface science and electrochemical study. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 2923-31	3.6	38
129	Template-assisted assembly of transition metal nanoparticles on oxide ultrathin films. <i>Progress in Surface Science</i> , 2011 , 86, 59-81	6.6	37
128	Cobalt oxide nanolayers on Pd(100): The thickness-dependent structural evolution. <i>Surface Science</i> , 2010 , 604, 2002-2011	1.8	36
127	Ordered Arrays of Au Nanoclusters by TiO _x Ultrathin Templates on Pt(111). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8024-8029	3.8	36
126	Insights into the durability of CoFe spinel oxygen evolution electrocatalysts via operando studies of the catalyst structure. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7034-7041	13	35
125	Atomic structure and special reactivity toward methanol oxidation of vanadia nanoclusters on TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2013 , 135, 17331-8	16.4	35
124	Nanopatterning in CeO _x /Cu(111): A New Type of Surface Reconstruction and Enhancement of Catalytic Activity. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 839-43	6.4	35
123	Growth and thermal behaviour of NiO nanolayers on Pd(100). <i>Surface Science</i> , 2005 , 599, 1-13	1.8	34
122	The nature of the Fe-graphene interface at the nanometer level. <i>Nanoscale</i> , 2015 , 7, 2450-60	7.7	33
121	A LEED $\sqrt{3}\sqrt{3}$ structural determination of the $c(4\sqrt{3})$ Ni ₃ O ₄ /Pd(1 0 0) monolayer phase: an ordered array of Ni vacancies. <i>Surface Science</i> , 2005 , 576, 1-8	1.8	32

120	Stability of TiO ₂ polymorphs: exploring the extreme frontier of the nanoscale. <i>ChemPhysChem</i> , 2010 , 11, 1550-7	3.2	31
119	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</i> , 2010 , 122, 9874-9878	3.6	31
118	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> , 2013 , 125, 5205-5209	3.6	30
117	Strain relaxation and surface morphology of nickel oxide nanolayers. <i>Surface Science</i> , 2006 , 600, 1099-1103	1.8	29
116	The growth of ultrathin films of vanadium oxide on TiO ₂ (<i>h</i>). <i>Surface Science</i> , 2004 , 562, 150-156	1.8	29
115	New Strategy for the Growth of Complex Heterostructures Based on Different 2D Materials. <i>Chemistry of Materials</i> , 2015 , 27, 4105-4113	9.6	28
114	Enhancing the Oxygen Electroreduction Activity through Electron Tunnelling: CoO _x Ultrathin Films on Pd(100). <i>ACS Catalysis</i> , 2018 , 8, 2343-2352	13.1	28
113	TiO ₂ /graphene nanocomposites from the direct reduction of graphene oxide by metal evaporation. <i>Carbon</i> , 2014 , 68, 319-329	10.4	28
112	Comparison study of conductometric, optical and SAW gas sensors based on porous sol-gel silica films doped with NiO and Au nanocrystals. <i>Sensors and Actuators B: Chemical</i> , 2010 , 143, 567-573	8.5	28
111	Electrochemical Behavior of TiO(<i>x</i>)C(<i>y</i>) as Catalyst Support for Direct Ethanol Fuel Cells at Intermediate Temperature: From Planar Systems to Powders. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 716-25	9.5	27
110	Towards an improved process for hydrogen production: the chemical-loop reforming of ethanol. <i>Green Chemistry</i> , 2016 , 18, 1038-1050	10	27
109	Carbothermal Transformation of TiO ₂ into TiO _x C _y in UHV: Tracking Intrinsic Chemical Stabilities. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22601-22610	3.8	26
108	Shaping graphene oxide by electrochemistry: From foams to self-assembled molecular materials. <i>Carbon</i> , 2014 , 77, 405-415	10.4	26
107	Strained c(4 × 2) CoO(1 0 0)-like monolayer on Pd(1 0 0): Experiment and theory. <i>Surface Science</i> , 2010 , 604, 529-534	1.8	26
106	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> , 2016 , 26, 1120-1126	15.6	26
105	Vanadium on TiO ₂ (110): adsorption site and sub-surface migration. <i>Surface Science</i> , 2003 , 546, 117-126	1.8	25
104	Surface functionalization of fluorine-doped tin oxide samples through electrochemical grafting. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12887-94	9.5	24
103	Palladium nanoparticles supported on graphene acid: a stable and eco-friendly bifunctional C-C homo- and cross-coupling catalyst. <i>Green Chemistry</i> , 2019 , 21, 5238-5247	10	23

102	From Vanadia Nanoclusters to Ultrathin Films on TiO ₂ (110): Evolution of the Yield and Selectivity in the Ethanol Oxidation Reaction. <i>ACS Catalysis</i> , 2014 , 4, 3715-3723	13.1	22
101	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> , 2015 , 21, 5826-35	4.8	22
100	Hybrid plasmonic nanostructures based on controlled integration of MoS flakes on metallic nanoholes. <i>Nanoscale</i> , 2018 , 10, 17105-17111	7.7	22
99	The Unique Properties of the Oxide-Metal Interface: Reaction of Ethanol on an Inverse Model CeO _x /Au(111) Catalyst. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25057-25064	3.8	21
98	Searching for the Formation of TiB Bonds in B-Doped TiO ₂ Rutile. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13163-13172	3.8	21
97	Surface-Confined Polymerization of Halogenated Polyacenes: The Case of Dibromotetracene on Ag(110). <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4909-4918	3.8	20
96	Water oxidation electrocatalysis with iron oxide nanoparticles prepared via laser ablation. <i>Journal of Energy Chemistry</i> , 2016 , 25, 246-250	12	20
95	Electronic Structure-Dependent Surface Plasmon Resonance in Single Au-Fe Nanoalloys. <i>Nano Letters</i> , 2019 , 19, 5754-5761	11.5	20
94	In-Situ Carbon Doping of TiO ₂ Nanotubes Via Anodization in Graphene Oxide Quantum Dot Containing Electrolyte and Carburization to TiO _x C _y Nanotubes. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400462	4.6	20
93	Ultrathin TiO ₂ Films on (100)-Pt(110): a LEED, Photoemission, STM, and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20038-20049	3.8	20
92	Noncovalent Integration of a Bioinspired Ni Catalyst to Graphene Acid for Reversible Electrocatalytic Hydrogen Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 5805-5811	9.5	20
91	Directed assembly of Au and Fe nanoparticles on a TiO _x /Pt(111) ultrathin template: the role of oxygen affinity. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 11305-9	3.6	19
90	Reactive deposition of NiO ultrathin films on Pd(1 0 0). <i>Surface Science</i> , 2004 , 569, 105-117	1.8	19
89	Operando visualization of the hydrogen evolution reaction with atomic-scale precision at different metal/graphene interfaces. <i>Nature Catalysis</i> , 2021 , 4, 850-859	36.5	19
88	Effect of Ni Doping on the MoS ₂ Structure and Its Hydrogen Evolution Activity in Acid and Alkaline Electrolytes. <i>Surfaces</i> , 2019 , 2, 531-545	2.9	19
87	Surface Engineering of Chemically Exfoliated MoS ₂ in a Click-How To Generate Versatile Multifunctional Transition Metal Dichalcogenides-Based Platforms. <i>Chemistry of Materials</i> , 2018 , 30, 8257-8269	9.6	19
86	Morphology and Size Effect of Ceria Nanostructures on the Catalytic Performances of Pd/CeO ₂ Catalysts for Methanol Decomposition to Syngas. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1492-1501	5.6	17
85	A LEEM/micro-LEED investigation of phase transformations in TiO _x /Pt(111) ultrathin films. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3727-32	3.6	17

84	Au nanoparticles on a templating TiO(x)/Pt(111) ultrathin polar film: a photoemission and photoelectron diffraction study. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 2177-85	3.6	17
83	Arene CH insertion catalyzed by ferrocene covalently heterogenized on graphene acid. <i>Carbon</i> , 2019 , 143, 318-328	10.4	17
82	The oxidative cleavage of trans-1,2-cyclohexanediol with O ₂ : Catalysis by supported Au nanoparticles. <i>Applied Catalysis A: General</i> , 2018 , 557, 89-98	5.1	16
81	Structure and special chemical reactivity of interface-stabilized cerium oxide nanolayers on TiO ₂ (110). <i>Nanoscale</i> , 2014 , 6, 800-10	7.7	16
80	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> , 2017 , 5, 20808-20817	13.1	16
79	Water Adsorption on Different TiO ₂ Polymorphs Grown as Ultrathin Films on Pt(111). <i>Journal of Physical Chemistry C</i> , 2012 , 116, 12532-12540	3.8	16
78	Highly Active Gas Phase Organometallic Catalysis Supported Within Metal-Organic Framework Pores. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13533-13543	16.4	16
77	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> , 2016 , 8, 17843-17853	7.7	16
76	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> , 2020 , 10, 7475-7485	13.1	15
75	Optoelectrochemical biorecognition by optically transparent highly conductive graphene-modified fluorine-doped tin oxide substrates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 22769-77	9.5	15
74	Morphology of H ₂ O dosed monolayer MgO(001)/Ag(001). <i>Surface Science</i> , 2004 , 566-568, 1071-1075	1.8	15
73	Reactive growth of NiO ultrathin films on Pd(1 0 0): a multitechnique approach. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005 , 144-147, 465-469	1.7	15
72	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> , 2021 , 585, 267-275	9.3	15
71	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> , 2019 , 10, 9438-9445	9.4	13
70	Interplay between Layer-Resolved Chemical Composition and Electronic Structure in a Sn/Pt(110) Surface Alloy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14264-14269	3.8	13
69	High resolution photoemission and x-ray absorption spectroscopy of a lepidocrocite-like TiO ₂ nanosheet on Pt(110) (1 × 1). <i>Journal of Chemical Physics</i> , 2011 , 135, 054706	3.9	13
68	Intermediates Arising from the Water-Gas Shift Reaction over Cu Surfaces: From UHV to Near Atmospheric Pressures. <i>Topics in Catalysis</i> , 2015 , 58, 271-280	2.3	12
67	Unraveling the Structural and Electronic Properties at the WSe ₂ /Graphene Interface for a Rational Design of van der Waals Heterostructures. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1131-1140	5.6	12

66	Nanoaggregates of iron poly-oxo-clusters obtained by laser ablation in aqueous solution of phosphonates. <i>Journal of Colloid and Interface Science</i> , 2018 , 522, 208-216	9.3	12
65	A synchrotron-based spectroscopic study of the electronic structure of N-doped HOPG and PdY/N-doped HOPG. <i>Surface Science</i> , 2016 , 646, 132-139	1.8	12
64	Growth and electronic structure of 2D hexagonal nanosheets on a corrugated rectangular substrate. <i>Nanotechnology</i> , 2018 , 29, 485201	3.4	12
63	Site-Selective Integration of MoS Flakes on Nanopores by Means of Electrophoretic Deposition. <i>ACS Omega</i> , 2019 , 4, 9294-9300	3.9	11
62	Water-gas shift reaction over gold nanoparticles dispersed on nanostructured CeOxTiO2(110) surfaces: Effects of high ceria coverage. <i>Surface Science</i> , 2016 , 650, 34-39	1.8	11
61	Microscopic insight into the single step growth of in-plane heterostructures between graphene and hexagonal boron nitride. <i>Nano Research</i> , 2019 , 12, 675-682	10	11
60	Ag-Vanadates/GO Nanocomposites by Aerosol-Assisted Spray Pyrolysis: Preparation and Structural and Electrochemical Characterization of a Versatile Material. <i>ACS Omega</i> , 2017 , 2, 2792-2802	3.9	10
59	Silicon carbide thin films for EUV and soft X-ray applications. <i>European Physical Journal: Special Topics</i> , 2009 , 169, 159-165	2.3	10
58	Core and Valence Band Photoemission Study of Highly Strained Ultrathin NiO Films on Pd(100). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3736-3743	3.8	10
57	Clean rhodium nanoparticles prepared by laser ablation in liquid for high performance electrocatalysis of the hydrogen evolution reaction. <i>Nanoscale Advances</i> , 2019 , 1, 4296-4300	5.1	10
56	Wollastonite-diopside-carbon composite foams from a silicone resin and inorganic fillers. <i>Ceramics International</i> , 2018 , 44, 931-937	5.1	9
55	Epitaxial MoOx nanostructures on TiO2(110) obtained using thermal decomposition of Mo(CO)6. <i>Surface Science</i> , 2006 , 600, 3345-3351	1.8	9
54	Polymer-coated silver-iron nanoparticles as efficient and biodegradable MRI contrast agents. <i>Journal of Colloid and Interface Science</i> , 2021 , 596, 332-341	9.3	9
53	Enhanced Reactivity of NiO/Pd(100) Ultrathin Films toward H2: Experimental and Theoretical Evidence for the Role of Polar Borders. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 19066-19077	3.8	8
52	Azide-Alkyne Click Chemistry over a Heterogeneous Copper-Based Single-Atom Catalyst. <i>ACS Catalysis</i> , 2022 , 12, 2947-2958	13.1	8
51	Reversible adsorption of oxygen as superoxide ion on cerium doped zirconium titanate. <i>Applied Catalysis A: General</i> , 2019 , 580, 140-148	5.1	7
50	Assisting Atomic Dispersion of Fe in N-Doped Carbon by Aerosil for High-Efficiency Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25832-25842	9.5	7
49	A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO2. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 22617-27	3.6	7

48	The magnetization orientation of Fe ultrathin layers in contact with graphene. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33233-33239	3.6	7
47	Role of Au Nanoparticles and NiTiO ₃ Matrix in H ₂ S Sensing and Its Catalytic Oxidation to SO _x . <i>Sensor Letters</i> , 2011 , 9, 591-594	0.9	7
46	Hybrid Transition Metal Dichalcogenide/Graphene Microspheres for Hydrogen Evolution Reaction. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
45	Structural, electronic and photochemical properties of cerium-doped zirconium titanate. <i>Catalysis Today</i> , 2020 , 340, 49-57	5.3	7
44	Substrate Grain-Dependent Chemistry of Carburized Planar Anodic TiO on Polycrystalline Ti. <i>ACS Omega</i> , 2017 , 2, 631-640	3.9	6
43	The dynamics of Fe intercalation on pure and nitrogen doped graphene grown on Pt(111) probed by CO adsorption. <i>Surface Science</i> , 2015 , 634, 49-56	1.8	6
42	Postsynthetic Metalated MOFs as Atomically Dispersed Catalysts for Hydroformylation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54798-54805	9.5	6
41	Atom-by-atom identification of catalytic active sites in operando conditions by quantitative noise detection. <i>Joule</i> , 2022 , 6, 617-635	27.8	6
40	CeO _x /TiO ₂ (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> , 2019 , 2, 3434-3443	5.6	5
39	Tuning on and off chemical- and photo-activity of exfoliated MoSe ₂ nanosheets through morphologically selective soft-covalent functionalization with porphyrins. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11019-11030	13	5
38	Interfacial Chemistry of Low-Dimensional Systems for Applications in Nanocatalysis. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4311-4321	2.3	5
37	From novel PtSn/Pt(110) surface alloys to SnO _x /Pt(110) nano-oxides. <i>Surface Science</i> , 2013 , 615, 103-109.	109.8	5
36	Hybrid MXene/reduced graphene oxide aerogel microspheres for hydrogen evolution reaction. <i>Ionics</i> , 2021 , 27, 3099-3108	2.7	5
35	Fabrication of Ti substrate grain dependent C/TiO ₂ composites through carbothermal treatment of anodic TiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9220-31	3.6	5
34	Multiple Reaction Paths for CO Oxidation on a 2D SnO _x Nano-Oxide on the Pt(110) Surface: Intrinsic Reactivity and Spillover. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801874	4.6	4
33	A DFT Structural Investigation of New Bimetallic PtSn _x Surface Alloys Formed on the Pt(110) Surface and Their Interaction with Carbon Monoxide. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25306-25316	3.8	4
32	Zr ₂ O ₃ Nanostripes on TiO ₂ (110) Prepared by UHV Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 8026-8033	3.8	4
31	Combined Photoemission Spectroscopy and Electrochemical Study of a Mixture of (Oxy)carbides as Potential Innovative Supports and Electrocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19418-19427	9.5	4

30	Electrophoretic Deposition of WS Flakes on Nanoholes Arrays-Role of Used Suspension Medium. <i>Materials</i> , 2019 , 12,	3.5	3
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