Granozzi Gaetano

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.

391 papers	9,720 citations	44 h-index	79 g-index
425 ext. papers	10,812 ext. citations	5.5 avg, IF	6.29 L-index

#	Paper	IF	Citations
391	The Effect of the 3D Nanoarchitecture and Ni-Promotion on the Hydrogen Evolution Reaction in MoS /Reduced GO Aerogel Hybrid Microspheres Produced by a Simple One-Pot Electrospraying Procedure.. *Small*, **2022**, e2105694	11	1
390	Highly Photostable Carbon Dots from Citric Acid for Bioimaging.. *Materials*, **2022**, 15,	3.5	1
389	Atom-by-atom identification of catalytic active sites in operando conditions by quantitative noise detection. *Joule*, **2022**, 6, 617-635	27.8	6
388	Improving the Photocatalytic Activity of Mesoporous Titania Films through the Formation of WS/TiO Nano-Heterostructures.. *Nanomaterials*, **2022**, 12,	5.4	3
387	Toward sustainable and effective HER electrocatalysts: strategies for the basal plane site activation of transition metal dichalcogenides. *Current Opinion in Electrochemistry*, **2022**, 101025	7.2	1
386	How do H oxidation molecular catalysts assemble onto carbon nanotube electrodes? A crosstalk between electrochemical and multi-physical characterization techniques.. *Chemical Science*, **2021**, 12, 15916-15927	9.4	0
385	Hydrophobic Thin Films from Sol-Gel Processing: A Critical Review. *Materials*, **2021**, 14,	3.5	2
384	Citric Acid Derived Carbon Dots, the Challenge of Understanding the Synthesis-Structure Relationship. *Journal of Carbon Research*, **2021**, 7, 2	3.3	9
383	Operando visualization of the hydrogen evolution reaction with atomic-scale precision at different metal graphene interfaces. *Nature Catalysis*, **2021**, 4, 850-859	36.5	19
382	Strain Induced Phase Transition of WS2 by Local Dewetting of Au/Mica Film upon Annealing. *Surfaces*, **2021**, 4, 1-8	2.9	3
381	Highly Graphitized Fe-N-C Electrocatalysts Prepared from Chitosan Hydrogel Frameworks. *Catalysts* , **2021**, 11, 390	4	8
380	Hybrid MXene/reduced graphene oxide aerogel microspheres for hydrogen evolution reaction. *Ionics*, **2021**, 27, 3099-3108	2.7	5
379	Boron Nitride-Titania Mesoporous Film Heterostructures. *Langmuir*, **2021**, 37, 5348-5355	4	5
378	Hybridization of Molecular and Graphene Materials for CO Photocatalytic Reduction with Selectivity Control. *Journal of the American Chemical Society*, **2021**, 143, 8414-8425	16.4	22
377	Fluorescent carbon dots in solid-state: From nanostructures to functional devices. *Progress in Solid State Chemistry*, **2021**, 62, 100295	8	23
376	Hydroxylated boron nitride materials: from structures to functional applications. *Journal of Materials Science*, **2021**, 56, 4053-4079	4.3	19
375	Interfacial chemistry and electroactivity of black phosphorus decorated with transition metals. *Inorganic Chemistry Frontiers*, **2021**, 8, 684-692	6.8	3

374	Polymerization-Driven Photoluminescence in Alkanolamine-Based C-Dots. *Chemistry - A European Journal*, **2021**, 27, 2543-2550	4.8	5
373	Multimodal hybrid 2D networks via the thiol-epoxide reaction on 1T/2H MoS2 polytypes. *Materials Chemistry Frontiers*, **2021**, 5, 3470-3479	7.8	
372	Electrocatalytic Site Activity Enhancement via Orbital Overlap in A2MnRuO7 (A = Dy3+, Ho3+, and Er3+) Pyrochlore Nanostructures. *ACS Applied Energy Materials*, **2021**, 4, 176-185	6.1	3
371	2D Boron Nitride Heterostructures: Recent Advances and Future Challenges. *Small Structures*, **2021** , 2, 2100068	8.7	11
370	Effects of the induced micro- and meso-porosity on the single site density and turn over frequency of Fe-N-C carbon electrodes for the oxygen reduction reaction. *Applied Catalysis B: Environmental*, **2021**, 291, 120068	21.8	26
369	Selective and scaled-up continuous flow synthesis of manganese oxide nanocatalysts for single electron transfer reactions. *Chemical Engineering Journal*, **2021**, 417, 129063	14.7	3
368	Sulfur Doping versus Hierarchical Pore Structure: The Dominating Effect on the Fe-N-C Site Density, Activity, and Selectivity in Oxygen Reduction Reaction Electrocatalysis. *ACS Applied Materials & Interfaces*, **2021**, 13, 42693-42705	9.5	7
367	Thermal Induced Polymerization of l-Lysine forms Branched Particles with Blue Fluorescence. *Macromolecular Chemistry and Physics*, **2021**, 222, 2100242	2.6	2
366	Preparation and electronic structure of the WSe2/graphene/NiSex/Ni(111) heterostructure. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2021**, 39, 052201	2.9	
365	Engineering UV-emitting defects in h-BN nanodots by a top-down route. *Applied Surface Science*, **2021**, 567, 150727	6.7	1
364	Fluorescence-based selective nitrite ion sensing by amino-capped carbon dots. *Environmental Nanotechnology, Monitoring and Management*, **2021**, 16, 100573	3.3	1
363	NiO/Ni/CNT as an Efficient Hydrogen Electrode Catalyst for a Unitized Regenerative Alkaline Microfluidic Cell. *ACS Applied Energy Materials*, **2020**, 3, 4746-4755	6.1	7
362	Tuning on and off chemical- and photo-activity of exfoliated MoSe2 nanosheets through morphologically selective soft-covalent functionalization with porphyrins. *Journal of Materials Chemistry A*, **2020**, 8, 11019-11030	13	5
361	Fulleropyrrolidine-functionalized ceria nanoparticles as a tethered dual nanosystem with improved antioxidant properties. *Nanoscale Advances*, **2020**, 2, 2387-2396	5.1	4
360	Anomalous Optical Properties of Citrazinic Acid under Extreme pH Conditions. *ACS Omega*, **2020**, 5, 10958-10964	3.9	11
359	Carbon-based antiviral nanomaterials: graphene, C-dots, and fullerenes. A perspective. *Chemical Science*, **2020**, 11, 6606-6622	9.4	95
358	Establishing reactivity descriptors for platinum group metal (PGM)-free Fe-N-C catalysts for PEM fuel cells. *Energy and Environmental Science*, **2020**, 13, 2480-2500	35.4	100
357	Copper Vanadate Nanobelts as Anodes for Photoelectrochemical Water Splitting: Influence of CoO Overlayers on Functional Performances. *ACS Applied Materials & Interfaces*, **2020**, 12, 31448-31458	9.5	10

356	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. *ACS Catalysis*, **2020**, 10, 7475-7485	13.1	15
355	Integrating sol-gel and carbon dots chemistry for the fabrication of fluorescent hybrid organic-inorganic films. *Scientific Reports*, **2020**, 10, 4770	4.9	23
354	In Situ Study of Graphene Oxide Quantum Dot-MoSx Nanohybrids as Hydrogen Evolution Catalysts. *Surfaces*, **2020**, 3, 225-236	2.9	1
353	Understanding sol-gel transition through a picture. A short tutorial. *Journal of Sol-Gel Science and Technology*, **2020**, 94, 544-550	2.3	8
352	Defect-assisted photoluminescence in hexagonal boron nitride nanosheets. *2D Materials*, **2020**, 7, 045023	3.9	8
351	Alkaline hydrogen electrode and oxygen reduction reaction on PtxNi nanoalloys. *Journal of Electroanalytical Chemistry*, **2020**, 857, 113449	4.1	10
350	Noncovalent Integration of a Bioinspired Ni Catalyst to Graphene Acid for Reversible Electrocatalytic Hydrogen Oxidation. *ACS Applied Materials & Interfaces*, **2020**, 12, 5805-5811	9.5	20
349	Modulating the Optical Properties of Citrazinic Acid through the Monomer-to-Dimer Transformation. *Journal of Physical Chemistry A*, **2020**, 124, 197-203	2.8	13
348	Porphyrin bi-layer formation induced by a surface confined reduction on an iodine-modified Au(100) electrode surface. *Electrochimica Acta*, **2020**, 360, 137026	6.7	3
347	Upcycling of polyurethane into iron-nitrogen-carbon electrocatalysts active for oxygen reduction reaction. *Electrochimica Acta*, **2020**, 362, 137200	6.7	16
346	Hybrid Transition Metal Dichalcogenide/Graphene Microspheres for Hydrogen Evolution Reaction. *Nanomaterials*, **2020**, 10,	5.4	7
345	A DVD-MoS/AgS/Ag Nanocomposite Thiol-Conjugated with Porphyrins for an Enhanced Light-Mediated Hydrogen Evolution Reaction. *Nanomaterials*, **2020**, 10,	5.4	1
344	One-pot synthesis of MoS2(1-x)Se2x on N-doped reduced graphene oxide: tailoring chemical and structural properties for photoenhanced hydrogen evolution reaction. *Nanoscale Advances*, **2020**, 2, 4830-4840	5.1	1
343	Chitosan-Derived Nitrogen-Doped Carbon Electrocatalyst for a Sustainable Upgrade of Oxygen Reduction to Hydrogen Peroxide in UV-Assisted Electro-Fenton Water Treatment. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 14425-14440	8.3	32
342	Reversible Aggregation of Molecular-Like Fluorophores Driven by Extreme pH in Carbon Dots. *Materials*, **2020**, 13,	3.5	5
341	Boron oxynitride two-colour fluorescent dots and their incorporation in a hybrid organic-inorganic film. *Journal of Colloid and Interface Science*, **2020**, 560, 398-406	9.3	15
340	Combined high degree of carboxylation and electronic conduction in graphene acid sets new limits for metal free catalysis in alcohol oxidation. *Chemical Science*, **2019**, 10, 9438-9445	9.4	13
339	CeOx/TiO2 (Rutile) Nanocomposites for the Low-Temperature Dehydrogenation of Ethanol to Acetaldehyde: A Diffuse Reflectance Infrared Fourier Transform Spectroscopy-Mass Spectrometry Study. *ACS Applied Nano Materials*, **2019**, 2, 3434-3443	5.6	5

338	Reversible adsorption of oxygen as superoxide ion on cerium doped zirconium titanate. *Applied Catalysis A: General*, **2019**, 580, 140-148	5.1	7
337	DEMS studies of the ethanol electro-oxidation on TiOC supported Pt catalysts: support effects for higher CO2 efficiency. *Electrochimica Acta*, **2019**, 304, 80-86	6.7	10
336	The mechanism of concentric HfO2/Co3O4/TiO2 nanotubes investigated by intensity modulated photocurrent spectroscopy (IMPS) and electrochemical impedance spectroscopy (EIS) for photoelectrochemical activity. *Nano Energy*, **2019**, 65, 104020	17.1	17
335	Palladium nanoparticles supported on graphene acid: a stable and eco-friendly bifunctional C–C homo- and cross-coupling catalyst. *Green Chemistry*, **2019**, 21, 5238-5247	10	23
334	Carbon Dots from Citric Acid and its Intermediates Formed by Thermal Decomposition. *Chemistry - A European Journal*, **2019**, 25, 11963-11974	4.8	52
333	From 2-D to 0-D Boron Nitride Materials, The Next Challenge. *Materials*, **2019**, 12,	3.5	18
332	Effect of Ni Doping on the MoS2 Structure and Its Hydrogen Evolution Activity in Acid and Alkaline Electrolytes. *Surfaces*, **2019**, 2, 531-545	2.9	19
331	Ethanol aerobic and anaerobic oxidation with FeVO4 and V2O5 catalysts. *Applied Catalysis A: General*, **2019**, 570, 139-147	5.1	10
330	Arene CH insertion catalyzed by ferrocene covalently heterogenized on graphene acid. *Carbon*, **2019**, 143, 318-328	10.4	17
329	Effect of Ba Content on the Activity of La Ba MnO Towards the Oxygen Reduction Reaction. *ChemElectroChem*, **2018**, 5, 1922-1927	4.3	7
328	Sol-Gel Chemistry for Carbon Dots. *Chemical Record*, **2018**, 18, 1192-1202	6.6	16
327	Density Functional Theory (DFT) and Experimental Evidences of Metal–Support Interaction in Platinum Nanoparticles Supported on Nitrogen- and Sulfur-Doped Mesoporous Carbons: Synthesis, Activity, and Stability. *ACS Catalysis*, **2018**, 8, 1122-1137	13.1	57
326	Enhancing the Oxygen Electroreduction Activity through Electron Tunnelling: CoOx Ultrathin Films on Pd(100). *ACS Catalysis*, **2018**, 8, 2343-2352	13.1	28
325	A Combined Electrochemical-Microfluidic Strategy for the Microscale-Sized Selective Modification of Transparent Conductive Oxides. *Advanced Materials Interfaces*, **2018**, 5, 1701222	4.6	1
324	Highly Efficient MoS2/Ag2S/Ag Photoelectrocatalyst Obtained from a Recycled DVD Surface. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7818-7825	8.3	25
323	Insights into the durability of Co–Fe spinel oxygen evolution electrocatalysts via operando studies of the catalyst structure. *Journal of Materials Chemistry A*, **2018**, 6, 7034-7041	13	35
322	Welcome to Surfaces—A New Open Access Journal for an Interdisciplinary Scientific Community. *Surfaces*, **2018**, 1, 1-2	2.9	
321	AMnO (A = Sr, La, Ca, Y) Perovskite Oxides as Oxygen Reduction Electrocatalysts. *Topics in Catalysis*, **2018**, 61, 154-161	2.3	27

320	Graphene and Carbon Dots in Mesoporous Materials **2018**, 2339-2368		
319	Molybdenum Doping Augments Platinum-Copper Oxygen Reduction Electrocatalyst. *ChemSusChem* , **2018**, 11, 193-201	8.3	23
318	Graphene Oxide/Iron Oxide Nanocomposites for Water Remediation. *ACS Applied Nano Materials*, **2018**, 1, 6724-6732	5.6	34
317	Potential Driven Non-Reactive Phase Transitions of Ordered Porphyrin Molecules on Iodine-Modified Au(100): An Electrochemical Scanning Tunneling Microscopy (EC-STM) Study. *Surfaces*, **2018**, 1, 12-28	2.9	5
316	Surface Engineering of Chemically Exfoliated MoS2 in a Click How To Generate Versatile Multifunctional Transition Metal Dichalcogenides-Based Platforms. *Chemistry of Materials*, **2018**, 30, 8257-8269	9.6	19
315	Monolayer doping of germanium by phosphorus-containing molecules. *Nanotechnology*, **2018**, 29, 465702	3.4	10
314	Reliability of Blue-Emitting Eu-Doped Phosphors for Laser-Lighting Applications. *Materials*, **2018**, 11,	3.5	1
313	Visible Light Driven Photoanodes for Water Oxidation Based on Novel r-GO/ CuV O/TiO Nanorods Composites. *Nanomaterials*, **2018**, 8,	5.4	15
312	Mean Intrinsic Activity of Single Mn Sites at LaMnO3 Nanoparticles Towards the Oxygen Reduction Reaction. *ChemElectroChem*, **2018**, 5, 3044-3051	4.3	15
311	Indium selenide: an insight into electronic band structure and surface excitations. *Scientific Reports*, **2017**, 7, 3445	4.9	42
310	Substrate Grain-Dependent Chemistry of Carburized Planar Anodic TiO on Polycrystalline Ti. *ACS Omega*, **2017**, 2, 631-640	3.9	6
309	Effect of Air-Aging on the Electrochemical Characteristics of TiOxCy Films for Electrocatalysis Applications. *ChemElectroChem*, **2017**, 4, 3100-3109	4.3	1
308	Support Interaction Effect of Platinum Nanoparticles on Non-, Y-, Ce-Doped Anatase and Its Implication on the ORR in Acid and Alkaline Media. *ChemElectroChem*, **2017**, 4, 3264-3275	4.3	17
307	Design of Carbon Dots Photoluminescence through Organo-Functional Silane Grafting for Solid-State Emitting Devices. *Scientific Reports*, **2017**, 7, 5469	4.9	48
306	Hybrid Organic/Inorganic Perovskite-Polymer Nanocomposites: Toward the Enhancement of Structural and Electrical Properties. *Journal of Physical Chemistry Letters*, **2017**, 8, 5981-5986	6.4	15
305	Ag-Vanadates/GO Nanocomposites by Aerosol-Assisted Spray Pyrolysis: Preparation and Structural and Electrochemical Characterization of a Versatile Material. *ACS Omega*, **2017**, 2, 2792-2802	3.9	10
304	Ferrates for water remediation. *Reviews in Environmental Science and Biotechnology*, **2017**, 16, 15-35	13.9	13
303	A multi-technique comparison of the electronic properties of pristine and nitrogen-doped polycrystalline SnO2. *Physical Chemistry Chemical Physics*, **2016**, 18, 22617-27	3.6	7

302	Oxygen reduction reaction at LaxCa1-xMnO3 nanostructures: interplay between A-site segregation and B-site valency. *Catalysis Science and Technology*, **2016**, 6, 7231-7238	5.5	53
301	A synchrotron-based spectroscopic study of the electronic structure of N-doped HOPG and PdY/N-doped HOPG. *Surface Science*, **2016**, 646, 132-139	1.8	12
300	An easy and cheap chemical route using a MOF precursor to prepare Pd-Cu electrocatalyst for efficient energy conversion cathodes. *Journal of Catalysis*, **2016**, 338, 135-142	7.3	24
299	Chemical and Electrochemical Stability of Nitrogen and Sulphur Doped Mesoporous Carbons. *Electrochimica Acta*, **2016**, 197, 251-262	6.7	42
298	Cu2O/TiO2 heterostructures on a DVD as easy&cheap photoelectrochemical sensors. *Thin Solid Films*, **2016**, 603, 193-201	2.2	10
297	Electrochemical Behavior of TiO(x)C(y) as Catalyst Support for Direct Ethanol Fuel Cells at Intermediate Temperature: From Planar Systems to Powders. *ACS Applied Materials & Interfaces*, **2016**, 8, 716-25	9.5	27
296	Towards an improved process for hydrogen production: the chemical-loop reforming of ethanol. *Green Chemistry*, **2016**, 18, 1038-1050	10	27
295	Graphene and Carbon Dots in Mesoporous Materials **2016**, 1-30		
294	Combined Photoemission Spectroscopy and Electrochemical Study of a Mixture of (Oxy)carbides as Potential Innovative Supports and Electrocatalysts. *ACS Applied Materials & Interfaces*, **2016**, 8, 19418-27	9.5	4
293	One step forward to a scalable synthesis of platinum-yttrium alloy nanoparticles on mesoporous carbon for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2016**, 4, 12232-12240	13	48
292	VO /V O :Ag Nanostructures on a DVD as Photoelectrochemical Sensors. *ChemPlusChem*, **2016**, 81, 391-398	2.8	9
291	Fabrication of Ti substrate grain dependent C/TiO2 composites through carbothermal treatment of anodic TiO2. *Physical Chemistry Chemical Physics*, **2016**, 18, 9220-31	3.6	5
290	Unraveling the Multiple Effects Originating the Increased Oxidative Photoactivity of {001}-Facet Enriched Anatase TiO2. *ACS Applied Materials & Interfaces*, **2016**, 8, 9745-54	9.5	35
289	Preparation of high-porosity TiO x C y powders from a single templating carbon source. *Ceramics International*, **2016**, 42, 7690-7696	5.1	1
288	A highly efficient and stable oxygen reduction reaction on Pt/CeOx/C electrocatalyst obtained via a sacrificial precursor based on a metal-organic framework. *Applied Catalysis B: Environmental*, **2016**, 189, 39-50	21.8	53
287	Unveiling the Mechanisms Leading to H2 Production Promoted by Water Decomposition on Epitaxial Graphene at Room Temperature. *ACS Nano*, **2016**, 10, 4543-9	16.7	56
286	Graphene and carbon nanodots in mesoporous materials: an interactive platform for functional applications. *Nanoscale*, **2015**, 7, 12759-72	7.7	50
285	New Strategy for the Growth of Complex Heterostructures Based on Different 2D Materials. *Chemistry of Materials*, **2015**, 27, 4105-4113	9.6	28

284	Electronic interaction between platinum nanoparticles and nitrogen-doped reduced graphene oxide: effect on the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2015**, 3, 11891-11904	13	108
283	Thermally Induced Strains on the Catalytic Activity and Stability of PtM2O3/C (M=Y or Gd) Catalysts towards Oxygen Reduction Reaction. *ChemCatChem*, **2015**, 7, 1573-1582	5.2	19
282	Fast One-Pot Synthesis of MoS2/Crumpled Graphene p-n Nanonjunctions for Enhanced Photoelectrochemical Hydrogen Production. *ACS Applied Materials & Interfaces*, **2015**, 7, 25685-92	9.5	57
281	Nitrogen and sulfur doped mesoporous carbon as metal-free electrocatalysts for the in situ production of hydrogen peroxide. *Carbon*, **2015**, 95, 949-963	10.4	188
280	Comparison between the Oxygen Reduction Reaction Activity of Pd5Ce and Pt5Ce: The Importance of Crystal Structure. *ACS Catalysis*, **2015**, 5, 6032-6040	13.1	18
279	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. *Nano Research*, **2015**, 8, 4007-4023	10	49
278	Metal-support interaction in platinum and palladium nanoparticles loaded on nitrogen-doped mesoporous carbon for oxygen reduction reaction. *ACS Applied Materials & Interfaces*, **2015**, 7, 11709	9.5	129
277	The nature of the Fe-graphene interface at the nanometer level. *Nanoscale*, **2015**, 7, 2450-60	7.7	33
276	The dynamics of Fe intercalation on pure and nitrogen doped graphene grown on Pt(111) probed by CO adsorption. *Surface Science*, **2015**, 634, 49-56	1.8	6
275	Single and Multiple Doping in Graphene Quantum Dots: Unraveling the Origin of Selectivity in the Oxygen Reduction Reaction. *ACS Catalysis*, **2015**, 5, 129-144	13.1	142
274	In-Situ Carbon Doping of TiO2 Nanotubes Via Anodization in Graphene Oxide Quantum Dot Containing Electrolyte and Carburization to TiOxCy Nanotubes. *Advanced Materials Interfaces*, **2015** , 2, 1400462	4.6	20
273	Multiple doping of graphene oxide foams and quantum dots: new switchable systems for oxygen reduction and water remediation. *Journal of Materials Chemistry A*, **2015**, 3, 14334-14347	13	51
272	Characterization of TiO2thin films in the EUV and soft X-ray region **2015**,		1
271	Polyvinyl alcohol electrospun nanofibers containing Ag nanoparticles used as sensors for the detection of biogenic amines. *Nanotechnology*, **2015**, 26, 075501	3.4	39
270	Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. *Journal of Physical Chemistry C*, **2015**, 119, 2837-2843	3.8	34
269	Vanadium oxide nanostructures on another oxide: The viewpoint from model catalysts studies. *Coordination Chemistry Reviews*, **2015**, 301-302, 106-122	23.2	43
268	Yttrium oxide/gadolinium oxide-modified platinum nanoparticles as cathodes for the oxygen reduction reaction. *ChemPhysChem*, **2014**, 15, 2136-44	3.2	39
267	Electrocatalysis at palladium nanoparticles: Effect of the support nitrogen doping on the catalytic activation of carbonhalogen bond. *Applied Catalysis B: Environmental*, **2014**, 144, 300-307	21.8	44

266	TiO2/graphene nanocomposites from the direct reduction of graphene oxide by metal evaporation. *Carbon*, **2014**, 68, 319-329	10.4	28
265	Photocatalytic Activity vs Structural Features of Titanium Dioxide Materials Singly Doped or Codoped with Fluorine and Boron. *Journal of Physical Chemistry C*, **2014**, 118, 25579-25589	3.8	16
264	TiO2@CeOx core-shell nanoparticles as artificial enzymes with peroxidase-like activity. *ACS Applied Materials & Interfaces*, **2014**, 6, 20130-6	9.5	77
263	Fluorine- and Niobium-Doped TiO2: Chemical and Spectroscopic Properties of Polycrystalline n-Type-Doped Anatase. *Journal of Physical Chemistry C*, **2014**, 118, 8462-8473	3.8	56
262	Core-shell TiO2@C: towards alternative supports as replacement for high surface area carbon for PEMFC catalysts. *Electrochimica Acta*, **2014**, 139, 21-28	6.7	36
261	Pd Nanoparticles deposited on nitrogen-doped HOPG: New Insights into the Pd-catalyzed Oxygen Reduction Reaction. *Electrochimica Acta*, **2014**, 141, 89-101	6.7	39
260	Zr2O3 Nanostripes on TiO2(110) Prepared by UHV Chemical Vapor Deposition. *Journal of Physical Chemistry C*, **2014**, 118, 8026-8033	3.8	4
259	Carbothermal Transformation of TiO2 into TiOxCy in UHV: Tracking Intrinsic Chemical Stabilities. *Journal of Physical Chemistry C*, **2014**, 118, 22601-22610	3.8	26
258	Experimental and Theoretical Scanning Tunneling Spectroscopy Analysis of an Ultrathin Titania Film and Adsorbed Au Nanoparticles. *Journal of Physical Chemistry C*, **2014**, 118, 14640-14646	3.8	1
257	Silver nanoprism arrays coupled to functional hybrid films for localized surface plasmon resonance-based detection of aromatic hydrocarbons. *ACS Applied Materials & Interfaces*, **2014**, 6, 7773-81	9.5	28
256	Smart tailoring of the surface chemistry in GPTMS hybrid organic–inorganic films. *New Journal of Chemistry*, **2014**, 38, 1635-1640	3.6	19
255	From Vanadia Nanoclusters to Ultrathin Films on TiO2(110): Evolution of the Yield and Selectivity in the Ethanol Oxidation Reaction. *ACS Catalysis*, **2014**, 4, 3715-3723	13.1	22
254	Synthesis of luminescent 3D microstructures formed by carbon quantum dots and their self-assembly properties. *Chemical Communications*, **2014**, 50, 6592-5	5.8	39
253	Shaping graphene oxide by electrochemistry: From foams to self-assembled molecular materials. *Carbon*, **2014**, 77, 405-415	10.4	26
252	Electrochemical activation of carbon–halogen bonds: Electrocatalysis at silver/copper nanoparticles. *Applied Catalysis B: Environmental*, **2014**, 158-159, 286-295	21.8	34
251	Ultrathin Oxide Films **2014**, 585-640		
250	Optoelectrochemical biorecognition by optically transparent highly conductive graphene-modified fluorine-doped tin oxide substrates. *ACS Applied Materials & Interfaces*, **2014**, 6, 22769-77	9.5	15
249	Electrochemical Activation of Carbon–Halogen Bonds: Electrocatalysis at Palladium–Copper Nanoparticles. *ChemElectroChem*, **2014**, 1, 1370-1381	4.3	18

248	Xylene sensing properties of aryl-bridged polysilsesquioxane thin films coupled to gold nanoparticles. *Journal of Materials Chemistry C*, **2013**, 1, 4252	7.1	21
247	From novel PtSn/Pt(110) surface alloys to SnOx/Pt(110) nano-oxides. *Surface Science*, **2013**, 615, 103-109	1.8	5
246	Atomic structure and special reactivity toward methanol oxidation of vanadia nanoclusters on TiO2(110). *Journal of the American Chemical Society*, **2013**, 135, 17331-8	16.4	35
245	Green synthesis and electrophoretic deposition of Ag nanoparticles on SiO2/Si(100). *Nanotechnology*, **2013**, 24, 345501	3.4	4
244	Second generation graphene: Opportunities and challenges for surface science. *Surface Science*, **2013**, 609, 1-5	1.8	47
243	Combining top-down and bottom-up routes for fabrication of mesoporous titania films containing ceria nanoparticles for free radical scavenging. *ACS Applied Materials & Interfaces*, **2013**, 5, 3168-75	9.5	18
242	Palladium nanoparticles supported on nitrogen-doped HOPG: a surface science and electrochemical study. *Physical Chemistry Chemical Physics*, **2013**, 15, 2923-31	3.6	38
241	Enhanced sensitivity azimuthally controlled grating-coupled surface plasmon resonance applied to the calibration of thiol-poly(ethylene oxide) grafting. *Sensors and Actuators B: Chemical*, **2013**, 181, 559-566	8.5	7
240	Electrochemical behavior of N and Ar implanted highly oriented pyrolytic graphite substrates and activity toward oxygen reduction reaction. *Electrochimica Acta*, **2013**, 88, 477-487	6.7	47
239	Microscopic View on a Chemical Vapor Deposition Route to Boron-Doped Graphene Nanostructures. *Chemistry of Materials*, **2013**, 25, 1490-1495	9.6	112
238	Searching for the Formation of Ti3B Bonds in B-Doped TiO2 Rutile. *Journal of Physical Chemistry C*, **2013**, 117, 13163-13172	3.8	21
237	Structure and thermal stability of fully oxidized TiO2/Pt(111) polymorphs. *Surface Science*, **2013**, 608, 173-179	1.8	8
236	Surface functionalization of fluorine-doped tin oxide samples through electrochemical grafting. *ACS Applied Materials & Interfaces*, **2013**, 5, 12887-94	9.5	24
235	CO optical sensing properties of nanocrystalline ZnO/Au films: Effect of doping with transition metal ions. *Sensors and Actuators B: Chemical*, **2012**, 161, 675-683	8.5	38
234	Direct synthesis of H 2 O 2 on model Pd surfaces. *Chemical Engineering Journal*, **2012**, 207-208, 845-850	14.7	11
233	Water Adsorption on Different TiO2 Polymorphs Grown as Ultrathin Films on Pt(111). *Journal of Physical Chemistry C*, **2012**, 116, 12532-12540	3.8	16
232	Building Principles and Structural Motifs in TiOx Ultrathin Films on a (111) Substrate. *Journal of Physical Chemistry C*, **2012**, 116, 13302-13306	3.8	29
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