

Granozzi Gaetano

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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	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
390	The Nature of Defects in Fluorine-Doped TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8951-8956	3.8	293
389	Nitrogen and sulfur doped mesoporous carbon as metal-free electrocatalysts for the in situ production of hydrogen peroxide. <i>Carbon</i> , 2015 , 95, 949-963	10.4	188
388	Hybrid materials for optics and photonics. <i>Chemical Society Reviews</i> , 2011 , 40, 886-906	58.5	184
387	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
386	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
385	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, 11702-29	9.5	129
384	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
383	Electronic interaction between platinum nanoparticles and nitrogen-doped reduced graphene oxide: effect on the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11891-11904	13	108
382	Establishing reactivity descriptors for platinum group metal (PGM)-free Fe/N/C catalysts for PEM fuel cells. <i>Energy and Environmental Science</i> , 2020 , 13, 2480-2500	35.4	100
381	Carbon-based antiviral nanomaterials: graphene, C-dots, and fullerenes. A perspective. <i>Chemical Science</i> , 2020 , 11, 6606-6622	9.4	95
380	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
379	Growth and the structure of epitaxial VO ₂ at the TiO ₂ (110) surface. <i>Physical Review B</i> , 1997 , 55, 7850-7858	3.8	84
378	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
377	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
376	Bottom-up assembly of single-domain titania nanosheets on (1 x 2)-Pt(110). <i>Physical Review Letters</i> , 2006 , 97, 156101	7.4	73
375	Preparation, characterisation and structure of Ti and Al ultrathin oxide films on metals. <i>International Reviews in Physical Chemistry</i> , 2009 , 28, 517-576	7	72

374	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3803		67
373	Partially oxidized graphene as a precursor to graphene. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11217		66
372	Structure of Reduced Ultrathin TiOx Polar Films on Pt(111). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5721-5729	3.8	60
371	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
370	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. <i>ACS Catalysis</i> , 2018 , 8, 1122-1137	13.1	57
369	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
368	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
367	Oxygen reduction reaction at La _x Ca _{1-x} MnO ₃ nanostructures: interplay between A-site segregation and B-site valency. <i>Catalysis Science and Technology</i> , 2016 , 6, 7231-7238	5.5	53
366	Core and Valence Band Photoemission Spectroscopy of Well-Ordered Ultrathin TiOx Films on Pt(111). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 869-876	3.8	53
365	A highly efficient and stable oxygen reduction reaction on Pt/CeOx/C electrocatalyst obtained via a sacrificial precursor based on a metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2016 , 189, 39-50	21.8	53
364	Carbon Dots from Citric Acid and its Intermediates Formed by Thermal Decomposition. <i>Chemistry - A European Journal</i> , 2019 , 25, 11963-11974	4.8	52
363	Ultrathin wagon-wheel-like TiOx 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
362	Conformational flexibility of dehydroalanine derivatives. Crystal and molecular structure of 2-N-acetyldehydrophenylalanyl-L-proline. <i>Tetrahedron</i> , 1982 , 38, 3329-3334	2.4	52
361	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
360	Conformational flexibility of the dehydroalanine derivatives: molecular and electronic structure of (Z)-N-acetyldehydrophenylalanine. <i>Tetrahedron</i> , 1981 , 37, 3507-3512	2.4	51
359	Graphene and carbon nanodots in mesoporous materials: an interactive platform for functional applications. <i>Nanoscale</i> , 2015 , 7, 12759-72	7.7	50
358	On the formation of silicon oxynitride by ion implantation in fused silica. <i>Journal of Non-Crystalline Solids</i> , 1990 , 125, 293-301	3.9	50
357	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , 2015 , 8, 4007-4023	10	49

356	Design of Carbon Dots Photoluminescence through Organo-Functional Silane Grafting for Solid-State Emitting Devices. <i>Scientific Reports</i> , 2017 , 7, 5469	4.9	48
355	One step forward to a scalable synthesis of platinum/Aluminum alloy nanoparticles on mesoporous carbon for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12232-12240	13	48
354	Second generation graphene: Opportunities and challenges for surface science. <i>Surface Science</i> , 2013 , 609, 1-5	1.8	47
353	Improvement in the efficiency of an OrganoMetallic Fuel Cell by tuning the molecular architecture of the anode electrocatalyst and the nature of the carbon support. <i>Energy and Environmental Science</i> , 2012 , 5, 8608	35.4	47
352	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
351	Reactivity of simple alcohols on Fe ₂ O ₃ powders. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 173-182		46
350	3-(Glycidoxypopyl)-trimethoxysilane/SiO ₂ hybrid organic/inorganic materials for optical limiting. <i>Journal of Non-Crystalline Solids</i> , 2000 , 265, 68-74	3.9	46
349	N and Ar ion-implantation effects in SiO ₂ films on Si single-crystal substrates. <i>Journal of Applied Physics</i> , 1991 , 70, 3528-3536	2.5	45
348	On the conformational flexibility of model compounds of α -substituted β -unsaturated peptides. <i>Computational and Theoretical Chemistry</i> , 1982 , 86, 297-300		45
347	Electrocatalysis at palladium nanoparticles: Effect of the support nitrogen doping on the catalytic activation of carbon-halogen bond. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 300-307	21.8	44
346	Photoelectron diffraction study on the structure of a vanadium ultrathin film deposited at the TiO ₂ (110) surface. <i>Surface Science</i> , 1996 , 349, L169-L173	1.8	44
345	Conformational flexibility of peptides containing β -unsaturated amino acid residues. I. Conformational analysis of N-acetyl-N'-methylamides of dehydroalanine and N-methyldehydroalanine. <i>Biopolymers</i> , 1980 , 19, 469-475	2.2	44
344	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
343	Structure of a TiO _x Zigzag-Like Monolayer on Pt(111). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6095-6102	10.2	43
342	XPS and UV-VIS study of high-purity Fe ₂ O ₃ thin films obtained using the sol-gel technique. <i>Journal of Materials Chemistry</i> , 1995 , 5, 79-83		43
341	Indium selenide: an insight into electronic band structure and surface excitations. <i>Scientific Reports</i> , 2017 , 7, 3445	4.9	42
340	Chemical and Electrochemical Stability of Nitrogen and Sulphur Doped Mesoporous Carbons. <i>Electrochimica Acta</i> , 2016 , 197, 251-262	6.7	42
339	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

338	Defect evolution in oxide nanophases: The case of a zigzag-like TiOx phase on Pt(111). <i>Physical Review B</i> , 2008 , 77,	3.3	41
337	Crystal structure and conformational flexibility of 2-(acetylamino)prop-2-enoic acid (N-acetyldehydroalanine). <i>Journal of the Chemical Society Perkin Transactions II</i> , 1979 , 927-929		41
336	Yttrium oxide/gadolinium oxide-modified platinum nanoparticles as cathodes for the oxygen reduction reaction. <i>ChemPhysChem</i> , 2014 , 15, 2136-44	3.2	39
335	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
334	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
333	Polyvinyl alcohol electrospun nanofibers containing Ag nanoparticles used as sensors for the detection of biogenic amines. <i>Nanotechnology</i> , 2015 , 26, 075501	3.4	39
332	The structure of a stoichiometric TiO2 nanophase on Pt(111). <i>Surface Science</i> , 2007 , 601, 3488-3496	1.8	39
331	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
330	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
329	The alkyne-cluster interaction: structural, theoretical and mechanistic studies on the M2M'(CO)9(μ_3 - η^2 -alkyne) complex (M = Fe; M' = Fe and Ru). <i>Organometallics</i> , 1984 , 3, 1510-1515	3.8	38
328	Template-assisted assembly of transition metal nanoparticles on oxide ultrathin films. <i>Progress in Surface Science</i> , 2011 , 86, 59-81	6.6	37
327	High-purity WO3 sol-gel coatings: synthesis and characterization. <i>Journal of Materials Chemistry</i> , 1994 , 4, 407-411		37
326	Core-shell TiO2@C: towards alternative supports as replacement for high surface area carbon for PEMFC catalysts. <i>Electrochimica Acta</i> , 2014 , 139, 21-28	6.7	36
325	Cobalt oxide nanolayers on Pd(100): The thickness-dependent structural evolution. <i>Surface Science</i> , 2010 , 604, 2002-2011	1.8	36
324	Ordered Arrays of Au Nanoclusters by TiOxUltrathin Templates on Pt(111). <i>Journal of Physical Chemistry C</i> , 2007 , 111, 8024-8029	3.8	36
323	Early stages of epitaxial growth of vanadium oxide at the TiO2(110) surface studied by photoelectron diffraction. <i>Physical Review B</i> , 1996 , 54, 13464-13467	3.3	36
322	An angle-scanned photoelectron diffraction study on the surface relaxation of ZnO (0001). <i>Surface Science</i> , 1994 , 319, 149-156	1.8	36
321	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

3 ²⁰	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
3 ¹⁹	Silver Nanoparticle Arrays on a DVD-Derived Template: An easy&cheap SERS Substrate. <i>Plasmonics</i> , 2011 , 6, 725-733	2.4	35
3 ¹⁸	Chemical interactions in titanium- and tungsten-implanted fused silica. <i>Journal of Non-Crystalline Solids</i> , 1993 , 162, 205-216	3.9	35
3 ¹⁷	Unraveling the Multiple Effects Originating the Increased Oxidative Photoactivity of {001}-Facet Enriched Anatase TiO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9745-54	9.5	35
3 ¹⁶	Electrochemical activation of carbon-halogen bonds: Electrocatalysis at silver/copper nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 286-295	21.8	34
3 ¹⁵	Energy Transfer Induced by Carbon Quantum Dots in Porous Zinc Oxide Nanocomposite Films. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2837-2843	3.8	34
3 ¹⁴	Growth and thermal behaviour of NiO nanolayers on Pd(100). <i>Surface Science</i> , 2005 , 599, 1-13	1.8	34
3 ¹³	Ultrathin VO _x /TiO ₂ (110) (x=1) film preparation by controlled oxidation of metal deposits. <i>Surface Science</i> , 1999 , 436, 227-236	1.8	34
3 ¹²	UV-PES, carbon-13 NMR and theoretical studies on the alkyne-cluster interaction in Fe ₃ (CO) ₉ (μ ₃ -η ² -EtC ₂ Et). <i>Organometallics</i> , 1983 , 2, 430-434	3.8	34
3 ¹¹	Graphene Oxide/Iron Oxide Nanocomposites for Water Remediation. <i>ACS Applied Nano Materials</i> , 2018 , 1, 6724-6732	5.6	34
3 ¹⁰	The nature of the Fe-graphene interface at the nanometer level. <i>Nanoscale</i> , 2015 , 7, 2450-60	7.7	33
3 ⁰⁹	Epitaxial growth of MnO nanoparticles on Pt(111) by reactive deposition of Mn ₂ (CO) ₁₀ . <i>Surface Science</i> , 2000 , 462, 187-194	1.8	33
3 ⁰⁸	A LEED I _V structural determination of the c(4 × 2) 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
3 ⁰⁷	SiO ₂ /TiO ₂ sol-gel coatings: a surface study by X-ray photoelectron spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1992 , 139, 198-204	3.9	32
3 ⁰⁶	The alkyne-cluster interaction: structural, theoretical, and spectroscopic study on the parallel μ ₃ -η ² bonding mode in trinuclear carbonyl clusters of ruthenium and osmium. <i>Inorganic Chemistry</i> , 1986 , 25, 4004-4010	5.1	32
3 ⁰⁵	Chitosan-Derived Nitrogen-Doped Carbon Electrocatalyst for a Sustainable Upgrade of Oxygen Reduction to Hydrogen Peroxide in UV-Assisted Electro-Fenton Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14425-14440	8.3	32
3 ⁰⁴	Stability of TiO ₂ polymorphs: exploring the extreme frontier of the nanoscale. <i>ChemPhysChem</i> , 2010 , 11, 1550-7	3.2	31
3 ⁰³	An X-ray photoelectron diffraction structural characterization of an epitaxial MnO ultrathin film on Pt(111). <i>Surface Science</i> , 2001 , 482-485, 1474-1480	1.8	31

302	Highly ordered self-assembled mesostructured membranes: Porous structure and pore surface coverage. <i>Microporous and Mesoporous Materials</i> , 2007 , 103, 113-122	5.3	30
301	Building Principles and Structural Motifs in TiO _x Ultrathin Films on a (111) Substrate. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13302-13306	3.8	29
300	Strain relaxation and surface morphology of nickel oxide nanolayers. <i>Surface Science</i> , 2006 , 600, 1099-1108	1.8	29
299	The growth of ultrathin films of vanadium oxide on TiO ₂ (α). <i>Surface Science</i> , 2004 , 562, 150-156	1.8	29
298	Structure of highly strained ultrathin Ni films on Pd(α). <i>Surface Science</i> , 2003 , 522, 1-7	1.8	29
297	Surface carboxylate species on Cu(100) studied by angle-scanned photoelectron diffraction and LCAO-LDF calculations. <i>Surface Science</i> , 1994 , 315, 309-322	1.8	29
296	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
295	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
294	TiO ₂ /graphene nanocomposites from the direct reduction of graphene oxide by metal evaporation. <i>Carbon</i> , 2014 , 68, 319-329	10.4	28
293	Silver nanoprism arrays coupled to functional hybrid films for localized surface plasmon resonance-based detection of aromatic hydrocarbons. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7773-81	9.5	28
292	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
291	Growth of NiO ultrathin films on Pd(100) by post-oxidation of Ni films: the effect of pre-adsorbed oxygen. <i>Surface Science</i> , 2003 , 537, 36-54	1.8	28
290	Angle-Scanned Photoelectron Diffraction: Probing crystalline ultrathin films. <i>Advanced Materials</i> , 1996 , 8, 315-326	24	28
289	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 & Interfaces</i> , 2016 , 8, 716-25	9.5	27
288	Towards an improved process for hydrogen production: the chemical-loop reforming of ethanol. <i>Green Chemistry</i> , 2016 , 18, 1038-1050	10	27
287	AMnO (A = Sr, La, Ca, Y) Perovskite Oxides as Oxygen Reduction Electrocatalysts. <i>Topics in Catalysis</i> , 2018 , 61, 154-161	2.3	27
286	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
285	Shaping graphene oxide by electrochemistry: From foams to self-assembled molecular materials. <i>Carbon</i> , 2014 , 77, 405-415	10.4	26

- 284 Strained c(4 × 4) CoO(1 0 0)-like monolayer on Pd(1 0 0): Experiment and theory. *Surface Science*, **2010**, 604, 529-534 1.8 26
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- 282 UV photoelectron spectra and DV-X.alpha. calculations on diatomic rhodium formamidinate complexes. *Inorganic Chemistry*, **1987**, 26, 3406-3409 5.1 26
- 281 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
- 280 Highly Efficient MoS₂/Ag₂S/Ag Photoelectrocatalyst Obtained from a Recycled DVD Surface. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 7818-7825 8.3 25
- 279 Vanadium on TiO₂(110): adsorption site and sub-surface migration. *Surface Science*, **2003**, 546, 117-126 1.8 25
- 278 Growth and structural characterisation of vanadium oxide ultrathin films on TiO₂ (110). *Thin Solid Films*, **2001**, 400, 26-36 2.2 25
- 277 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
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- 274 An ARPEFS study of the structure of an epitaxial VO₂ monolayer at the TiO₂(110) surface. *Applied Surface Science*, **1999**, 142, 146-151 6.7 24
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- 272 Integrating sol-gel and carbon dots chemistry for the fabrication of fluorescent hybrid organic-inorganic films. *Scientific Reports*, **2020**, 10, 4770 4.9 23
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- 269 A LCAO-LDF study of formate chemisorption on Cu(100). *Surface Science*, **1994**, 307-309, 95-100 1.8 23
- 268 Fluorescent carbon dots in solid-state: From nanostructures to functional devices. *Progress in Solid State Chemistry*, **2021**, 62, 100295 8 23
- 267 Molybdenum Doping Augments Platinum-Copper Oxygen Reduction Electrocatalyst. *ChemSusChem*, **2018**, 11, 193-201 8.3 23

266	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
265	Mobility of Au on TiO _x Substrates with Different Stoichiometry and Defectivity. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3187-3190	3.8	22
264	Epitaxial TiO ₂ nanoparticles on Pt(111): a structural study by photoelectron diffraction and scanning tunneling microscopy. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 697-702	3.6	22
263	The structure of an ultrathin VO _x (x=1) film grown epitaxially on TiO ₂ (110). <i>Surface Science</i> , 2000 , 461, 118-128	1.8	22
262	The structure of vanadia ultrathin films grown on TiO ₂ (110) in an oxygen ambient. <i>Surface Science</i> , 2000 , 470, L116-L122	1.8	22
261	The pyrolysis process of a polytitanocarbosilane into SiC/TiC ceramics: An XPS study. <i>Journal of Materials Research</i> , 1990 , 5, 1958-1962	2.5	22
260	Hybridization of Molecular and Graphene Materials for CO Photocatalytic Reduction with Selectivity Control. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8414-8425	16.4	22
259	Xylene sensing properties of aryl-bridged polysilsesquioxane thin films coupled to gold nanoparticles. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4252	7.1	21
258	Searching for the Formation of Ti-B Bonds in B-Doped TiO ₂ Rutile. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13163-13172	3.8	21
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256	Photoelectron diffraction study of ultrathin film growth of Ni on Pt(111). <i>Surface Science</i> , 1995 , 340, 215-223	1.8	21
255	An experimental and theoretical study of the interaction of CH ₃ OH and CH ₃ SH with ZnO. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 3247		21
254	In-Situ Carbon Doping of TiO ₂ Nanotubes Via Anodization in Graphene Oxide Quantum Dot Containing Electrolyte and Carburization to TiO _x Cy Nanotubes. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400462	4.6	20
253	Ultrathin TiO ₂ Films on (111)-Pt(110): a LEED, Photoemission, STM, and Theoretical Investigation. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20038-20049	3.8	20
252	Preparation of epitaxial ultrathin RuO ₂ /TiO ₂ (110) films by decomposition of Ru ₃ (CO) ₁₂ . <i>Surface Science</i> , 1999 , 443, 277-286	1.8	20
251	Electronic interaction in heterosubstituted acetones studied by means of ultraviolet photoelectron and electron transmission spectroscopy. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984 , 1505		20
250	¹ H, ¹³ C NMR and theoretical studies on (Arene)tricarbonylchromium(0) complexes. <i>Inorganica Chimica Acta</i> , 1977 , 24, 195-199	2.7	20
249	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

- 248 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
- 247 Smart tailoring of the surface chemistry in GPTMS hybrid organic/inorganic films. *New Journal of Chemistry*, **2014**, 38, 1635-1640 3.6 19
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- 244 Reactive deposition of NiO ultrathin films on Pd(1 0 0). *Surface Science*, **2004**, 569, 105-117 1.8 19
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