Gian Andrea Rizzi

List of Publications by Year
in descending order

102 papers	2,774 citations	172457 29 h-index	197818 49 g-index
102 all docs	102 docs citations	102 times ranked	3835 citing authors

#	Article	IF	Citations
1	Mesoporosity and nitrogen doping: The leading effect in oxygen reduction reaction activity and selectivity at nitrogenâ€doped carbons prepared by using polyethylene oxideâ€blockâ€polystyrene as a sacrificial template. Electrochemical Science Advances, 2023, 3, .	2.8	0
2	Suppressed charge carrier trap states and double photon absorption in substitutional Ta-doped TiO2-NT array. Nano Today, 2022, 43, 101407.	11.9	3
3	Diffusion-driven formation of Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e256" altimg="si64.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e264" altimg="si65.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math>Ânanopetals layers for	6.1	6
4	PEOâ€bâ€PS Block Copolymer Templated Mesoporous Carbons: A Comparative Study of Nitrogen and Sulfur Doping in the Oxygen Reduction Reaction to Hydrogen Peroxide. Chemistry - A European Journal, 2021, 27, 1002-1014.	3.3	24
5	Phosphorus precursors reactivity versus hydrogenated Ge surface: towards a reliable self-limited monolayer doping. Applied Surface Science, 2021, 541, 148532.	6.1	3
6	Plasmaâ€Assisted Synthesis of Co₃O₄â€Based Electrocatalysts on Ni Foam Substrates for the Oxygen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100763.	3.7	12
7	Plasmaâ€Assisted Synthesis of Co₃O₄â€Based Electrocatalysts on Ni Foam Substrates for the Oxygen Evolution Reaction (Adv. Mater. Interfaces 18/2021). Advanced Materials Interfaces, 2021, 8, 2170099.	3.7	0
8	A DVD-MoS2/Ag2S/Ag Nanocomposite Thiol-Conjugated with Porphyrins for an Enhanced Light-Mediated Hydrogen Evolution Reaction. Nanomaterials, 2020, 10, 1266.	4.1	3
9	Climbing the oxygen reduction reaction volcano plot with laser ablation synthesis of Pt_xY nanoalloys. Catalysis Science and Technology, 2020, 10, 4503-4508.	4.1	25
10	Copper Vanadate Nanobelts as Anodes for Photoelectrochemical Water Splitting: Influence of CoO<i>_x</i> Overlayers on Functional Performances. ACS Applied Materials & Interfaces, 2020, 12, 31448-31458.	8.0	17
11	Nitrogenâ€Doped Mesoporous Carbon Electrodes Prepared from Templating Propylamineâ€Functionalized Silica. ChemElectroChem, 2020, 7, 1914-1921.	3.4	8
12	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.	16.0	26
13	Mesoporous Carbon with Different Density of Thiophenicâ€Like Functional Groups and Their Effect on Oxygen Reduction. ChemSusChem, 2019, 12, 4229-4239.	6.8	29
14	Facile synthesis of Pd3Y alloy nanoparticles for electrocatalysis of the oxygen reduction reaction. Electrochimica Acta, 2019, 320, 134563.	5.2	23
15	Role of citrate in the formation of enamel-like calcium phosphate oriented nanorod arrays. CrystEngComm, 2019, 21, 4684-4689.	2.6	10
16	Self-limiting Sb monolayer as a diffusion source for Ge doping. Applied Surface Science, 2019, 496, 143713.	6.1	13
17	Advanced Diffusion Strategies for Junction Formation in Germanium. Proceedings (mdpi), 2019, 26, .	0.2	0
18	Co3O4 Nanopetals on Si as Photoanodes for the Oxidation of Organics. Surfaces, 2019, 2, 41-53.	2.3	10

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19	Density Functional Theory (DFT) and Experimental Evidences of Metalâ€“Support Interaction in Platinum Nanoparticles Supported on Nitrogen- and Sulfur-Doped Mesoporous Carbons: Synthesis, Activity, and Stability. ACS Catalysis, 2018, 8, 1122-1137.	11.2	83
20	Probing the correlation between Pt-support interaction and oxygen reduction reaction activity in mesoporous carbon materials modified with Pt-N active sites. Electrochimica Acta, 2018, 277, 287-300.	5.2	45
21	Highly Efficient MoS₂/Ag₂S/Ag Photoelectrocatalyst Obtained from a Recycled DVD Surface. ACS Sustainable Chemistry and Engineering, 2018, 6, 7818-7825.	6.7	29
22	Interfacial Morphology Addresses Performance of Perovskite Solar Cells Based on Composite Hole Transporting Materials of Functionalized Reduced Graphene Oxide and P3HT. Solar Rrl, 2018, 2, 1800013.	5.8	36
23	Low-temperature fabrication of SiC/geopolymer cellular composites. Composites Part B: Engineering, 2018, 137, 23-30.	12.0	49
24	Platinum-free electrocatalysts for oxygen reduction reaction: Fe-Nx modified mesoporous carbon prepared from biosources. Journal of Power Sources, 2018, 402, 434-446.	7.8	36
25	Monolayer doping of germanium by phosphorus-containing molecules. Nanotechnology, 2018, 29, 465702.	2.6	14
26	Reliability of Blue-Emitting Eu2+-Doped Phosphors for Laser-Lighting Applications. Materials, 2018, 11, 1552.	2.9	1
27	Visible Light Driven Photoanodes for Water Oxidation Based on Novel r-GO/Î²-Cu2V2O7/TiO2 Nanorods Composites. Nanomaterials, 2018, 8, 544.	4.1	23
28	Nitrogen and Sulfur Doped Mesoporous Carbons, Prepared from Templating Silica, as Interesting Material for Supercapacitors. ChemistrySelect, 2017, 2, 7082-7090.	1.5	23
29	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.	3.5	11
30	One step forward to a scalable synthesis of platinumâ€“yttrium alloy nanoparticles on mesoporous carbon for the oxygen reduction reaction. Journal of Materials Chemistry A, 2016, 4, 12232-12240.	10.3	59
31	VO₂/V₂O₅:Ag Nanostructures on a DVD as Photoelectrochemical Sensors. ChemPlusChem, 2016, 81, 391-398.	2.8	11
32	A synchrotron-based spectroscopic study of the electronic structure of N-doped HOPG and PdY/N-doped HOPG. Surface Science, 2016, 646, 132-139.	1.9	16
33	Chemical and Electrochemical Stability of Nitrogen and Sulphur Doped Mesoporous Carbons. Electrochimica Acta, 2016, 197, 251-262.	5.2	53
34	Cu2O/TiO2 heterostructures on a DVD as easy&cheap photoelectrochemical sensors. Thin Solid Films, 2016, 603, 193-201.	1.8	13
35	Polyvinyl alcohol electrospun nanofibers containing Ag nanoparticles used as sensors for the detection of biogenic amines. Nanotechnology, 2015, 26, 075501.	2.6	45
36	Interaction of iron with a wagon wheel-like ultrathin TiO_x film grown on Pt(111). Physical Chemistry Chemical Physics, 2015, 17, 18055-18062.	2.8	2

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37	Nitrogen and sulfur doped mesoporous carbon as metal-free electrocatalysts for the in situ production of hydrogen peroxide. Carbon, 2015, 95, 949-963.	10.3	252
38	Comparison between the Oxygen Reduction Reaction Activity of Pd₅Ce and Pt₅Ce: The Importance of Crystal Structure. ACS Catalysis, 2015, 5, 6032-6040.	11.2	21
39	Zr₂O₃ Nanostripes on TiO₂(110) Prepared by UHV Chemical Vapor Deposition. Journal of Physical Chemistry C, 2014, 118, 8026-8033.	3.1	4
40	Silver Nanoprism Arrays Coupled to Functional Hybrid Films for Localized Surface Plasmon Resonance-Based Detection of Aromatic Hydrocarbons. ACS Applied Materials & Interfaces, 2014, 6, 7773-7781.	8.0	29
41	Xylene sensing properties of aryl-bridged polysilsesquioxane thin films coupled to gold nanoparticles. Journal of Materials Chemistry C, 2013, 1, 4252.	5.5	23
42	Green synthesis and electrophoretic deposition of Ag nanoparticles on SiO2/Si(100). Nanotechnology, 2013, 24, 345501.	2.6	4
43	Searching for the Formation of Tiâ€“B Bonds in B-Doped TiO₂â€“Rutile. Journal of Physical Chemistry C, 2013, 117, 13163-13172.	3.1	25
44	Structure and thermal stability of fully oxidized TiO2/Pt(111) polymorphs. Surface Science, 2013, 608, 173-179.	1.9	8
45	Water Adsorption on Different TiO₂ Polymorphs Grown as Ultrathin Films on Pt(111). Journal of Physical Chemistry C, 2012, 116, 12532-12540.	3.1	16
46	Growth and optical properties of silver nanostructures obtained on connected anodic aluminum oxide templates. Nanotechnology, 2012, 23, 325604.	2.6	19
47	Tracking thermally-activated transformations in a nanostructured metal/oxide/metal system. Physical Chemistry Chemical Physics, 2011, 13, 17171.	2.8	6
48	Reactivity of Fe Nanoparticles on TiOx/Pt(111): A Complete Surface Science Investigation. Journal of Physical Chemistry C, 2011, 115, 15812-15821.	3.1	9
49	Silver Nanoparticle Arrays on a DVD-Derived Template: An easy&cheap SERS Substrate. Plasmonics, 2011, 6, 725-733.	3.4	41
50	Cation site environment in ultrathin TiOx films grown on Pt(111) probed by X-ray absorption spectroscopy at the Ti 2p edge. Surface Science, 2010, 604, 366-371.	1.9	9
51	Stability of TiO₂ Polymorphs: Exploring the Extreme Frontier of the Nanoscale. ChemPhysChem, 2010, 11, 1550-1557.	2.1	31
52	Probing Transformations of Relevance in Catalysis on a Single Oxide Layer: Fe on TiO_{<i>x</i>}/Pt(111). Journal of Physical Chemistry Letters, 2010, 1, 1660-1665.	4.6	8
53	Structure of Reduced Ultrathin TiO_{<i>x</i>} Polar Films on Pt(111). Journal of Physical Chemistry C, 2009, 113, 5721-5729.	3.1	64
54	Au nanoparticles on a templating TiOx/Pt(111) ultrathin polar film: a photoemission and photoelectron diffraction study. Physical Chemistry Chemical Physics, 2009, 11, 2177.	2.8	17

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55	Silver nanostructures on a c(4Ã—2)-NiOx/Pd(100) monolayer. Surface Science, 2008, 602, 499-505.	1.9	2
56	Linearly Polarized X-ray Absorption Investigation of Ultrathin NiOx/Pd(100) Films. Journal of Physical Chemistry C, 2008, 112, 5123-5128.	3.1	2
57	Mobility of Au on TiO<i>_x</i> Substrates with Different Stoichiometry and Defectivity. Journal of Physical Chemistry C, 2008, 112, 3187-3190.	3.1	25
58	Chemisorption of CO on Au/TiOx/Pt(111) Model Catalysts with Different Stoichiometry and Defectivity. Journal of Nanoscience and Nanotechnology, 2008, 8, 3595-3602.	0.9	2
59	Core and Valence Band Photoemission Spectroscopy of Well-Ordered Ultrathin TiOxFilms on Pt(111). Journal of Physical Chemistry C, 2007, 111, 869-876.	3.1	56
60	Scanning tunneling microscopy and spectroscopy of Mo clusters grown on TiO2(110). Surface Science, 2007, 601, 3881-3885.	1.9	4
61	Epitaxial MoOx nanostructures on TiO2(110) obtained using thermal decomposition of Mo(CO)6. Surface Science, 2006, 600, 3345-3351.	1.9	9
62	Experimental and theoretical evidence for substitutional molybdenum atoms in theTiO2(110)subsurface. Physical Review B, 2006, 73, .	3.2	20
63	Epitaxial TiO2 nanoparticles on Pt(111): a structural study by photoelectron diffraction and scanning tunneling microscopy. Physical Chemistry Chemical Physics, 2005, 7, 697.	2.8	22
64	Ultrathin TiOxFilms on Pt(111):Â A LEED, XPS, and STM Investigation. Journal of Physical Chemistry B, 2005, 109, 24411-24426.	2.6	160
65	Synthesis of Gold Nanoparticles by Laser Ablation in Toluene:â€‰ Quenching and Recovery of the Surface Plasmon Absorption. Journal of Physical Chemistry B, 2005, 109, 23125-23128.	2.6	122
66	Epitaxial growth of molybdenum on TiO2(110). Surface Science, 2003, 544, 135-146.	1.9	12
67	Structure of highly strained ultrathin Ni films on Pd(). Surface Science, 2003, 522, 1-7.	1.9	29
68	A photoelectron diffraction study of the surface-V2O3 (2Ã—2) layer on Pd(111). Surface Science, 2003, 529, L234-L238.	1.9	13
69	Growth of NiO ultrathin films on Pd(100) by post-oxidation of Ni films: the effect of pre-adsorbed oxygen. Surface Science, 2003, 537, 36-54.	1.9	32
70	Structural studies of epitaxial ultrathin oxide films and nanoclusters by means of angle-scanned photoelectron diffraction (XPD). Journal of Physics Condensed Matter, 2002, 14, 4101-4117.	1.8	7
71	Ru3(CO)12Adsorption and Decomposition on TiO2. Langmuir, 2002, 18, 698-705.	3.5	26
72	MgCl2/TiCl4/AlEt3 catalytic system for olefin polymerisation: a XPS study. Journal of Molecular Catalysis A, 2002, 178, 115-123.	4.8	35

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73	Molecular oxygen interaction with Bi2O3: a spectroscopic and spectromagnetic investigation. Physical Chemistry Chemical Physics, 2001, 3, 1743-1749.	2.8	88
74	Ultrathin film growth and spectroscopic characterization of VOx (0.8â©½xâ©½1.3) on Pt(111). Surface Science, 2001, 490, 376-384.	1.9	10
75	Spectroscopic and structural characterisation of a VOx (xâ‰ˆ1) ultrathin epitaxial film on Pt (111). Thin Solid Films, 2001, 400, 154-159.	1.8	9
76	PECVD of amorphous TiO2 thin films: effect of growth temperature and plasma gas composition. Thin Solid Films, 2000, 371, 126-131.	1.8	142
77	Pentamethylcyclopentadienyl complexes of ruthenium(II) containing chiral diphosphines: reactivity towards BF3. Inorganica Chimica Acta, 2000, 299, 142-146.	2.4	4
78	Epitaxial growth of MnO nanoparticles on Pt(111) by reactive deposition of Mn2(CO)10. Surface Science, 2000, 462, 187-194.	1.9	33
79	Highly Oriented V2O5Nanocrystalline Thin Films by Plasma-Enhanced Chemical Vapor Deposition. Chemistry of Materials, 2000, 12, 98-103.	6.7	67
80	Vanadium Pentoxide Thin Films by XPS. Surface Science Spectra, 1999, 6, 168-176.	1.3	4
81	Vanadyl Precursors Used to Modify the Properties of Vanadium Oxide Thin Films Obtained by Chemical Vapor Deposition. Journal of the Electrochemical Society, 1999, 146, 551-558.	2.9	63
82	A Ru(II) Î·3-Allylic Complex as a Novel Precursor for the CVD of Ru- and RuO2-Nanostructured Thin Films. Langmuir, 1999, 15, 4537-4543.	3.5	28
83	Substitutional Ti(1-x)RuxO2 surface alloys obtained from the decomposition of Ru3(CO)12 on TiO2(110). Physical Chemistry Chemical Physics, 1999, 1, 709-711.	2.8	22
84	Preparation of epitaxial ultrathin RuO2â€"TiO2(110) films by decomposition of Ru3(CO)12. Surface Science, 1999, 443, 277-286.	1.9	21
85	Thin Films of Bismuth Vanadates with Modifiable Conduction Properties. Chemistry of Materials, 1999, 11, 255-261.	6.7	35
86	A chemical vapour deposition route to MoO3â€"Bi2O3 thin films. Thin Solid Films, 1998, 333, 35-40.	1.8	23
87	Ab Initioand Experimental Studies on the Structure and Relative Stability of thecis-Hydrideâ^'Î·2-Dihydrogen Complexes [{P(CH2CH2PPh2)3}M(H)(Î·2-H2)]+(M = Fe, Ru). Inorganic Chemistry, 1997, 36, 1061-1069.	4.0	57
88	Synthesis and structure of catena-poly-[Î¼-dichloro-(1,2,3,-Î·)-2-methyl-propenylrhodium]. Inorganica Chimica Acta, 1997, 254, 173-175.	2.4	0
89	Pure and mixed phase Bi2O3 thin films obtained by metal organic chemical vapor deposition. Chemical Vapor Deposition, 1996, 2, 238-242.	1.3	81
90	Angle-scanned photoelectron diffraction chemisorption studies using heteroatomic surface monolayers. Surface Science, 1995, 331-333, 35-41.	1.9	4

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91	MoO3 thin films prepared via MOCVD from a volatile molybdenyl complex. Journal of Materials Chemistry, 1995, 5, 1147.	6.7	9
92	Surface carboxylate species on Cu(100) studied by angle-scanned photoelectron diffraction and LCAO-LDF calculations. Surface Science, 1994, 315, 309-322.	1.9	32
93	Angle-scanned photoelectron diffraction chemisorption study of c(2 Ã— 2)-O on Ni(1 ML)/Cu(100). Surface Science, 1994, 321, L214-L218.	1.9	8
94	An angle-scanned photoelectron diffraction study on the surface relaxation of ZnO (0001). Surface Science, 1994, 319, 149-156.	1.9	38
95	X-ray photoelectron diffraction from the CdTe(111)A polar surface. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 16, 155-159.	3.5	3
96	Azimuthal orientation of formate and acetate on Cu(100) studied by angle-scanned photoelectron diffraction. Surface Science, 1993, 291, L756-L758.	1.9	11
97	X-Ray photoelectron and MÃ¶ssbauer spectroscopies of a binary iron phosphate glass. Journal of Materials Chemistry, 1991, 1, 805-808.	6.7	8
98	Experimental and theoretical investigation of the electronic structure of two isoelectronic binuclear clusters. UV-PES and DV-X.alpha. study of ruthenium ethanediyldiamido carbonyl, Ru2(CO)6[.mu.,.mu.'-N(R)CH2CH2N(R)], and iron ruthenium ethanediyldiamido carbonyl, FeRu(CO)6[.mu.,.mu.'-N(R)CH2CH2N(R)]. Inorganic Chemistry, 1991, 30, 1906-1911.	4.0	6
99	Electronic structure of Ru3(CO)6(CH3Cî—»CHCH = NC3H7-i)2 as indicated by UV-photoelectron spectroscopy and DV-XÎ± quantum mechanical calculations. Journal of Organometallic Chemistry, 1990, 396, 73-81.	1.8	5
100	Polarity determination of the HgCdTe(111) surface by azimuthal X-ray photoelectron diffraction experiments. Physica Scripta, 1990, 41, 913-918.	2.5	4
101	UV photoelectron spectra and DV-X.alpha. calculations on diatomic rhodium formamidinate complexes. Inorganic Chemistry, 1987, 26, 3406-3409.	4.0	27
102	UV-PE spectra and DV-X.alpha. calculations of some phosphido-bridged dimers. Organometallics, 1987, 6, 2536-2545.	2.3	7