

Sandro Recchia

List of Publications by Year in descending order

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72
papers

1,697
citations

257450

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all docs

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docs citations

72
times ranked

2288
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective organomercury determination by ICP-MS made easy. <i>Analytica Chimica Acta</i> , 2022, 1206, 339553.	5.4	8
2	How to Clean and Safely Remove HF from Acid Digestion Solutions for Ultra-Trace Analysis: A Microwave-Assisted Vessel-Inside-Vessel Protocol. <i>Methods and Protocols</i> , 2022, 5, 30.	2.0	4
3	The Evaluation of the Detection of Cr(VI) in Leather. <i>Analytica Chimica Acta: A Journal of Analytical Chemistry and Chemical Analysis</i> , 2022, 3, 1-13.	1.7	2
4	Subducted organic matter buffered by marine carbonate rules the carbon isotopic signature of arc emissions. <i>Nature Communications</i> , 2022, 13, .	12.8	17
5	Development of a Scanning Chemical Vapour Deposition Reactor for the realization of patterned and non-patterned depositions: a preliminary overview. <i>Thin Solid Films</i> , 2021, 717, 138446.	1.8	0
6	Quantitative Determination of the Surface Distribution of Supported Metal Nanoparticles: A Laser Ablation-ICP-MS Based Approach. <i>Chemosensors</i> , 2021, 9, 77.	3.6	2
7	One-minute highly selective Cr(VI) determination at ultra-trace levels: An ICP-MS method based on the on-line trapping of Cr(III). <i>Journal of Hazardous Materials</i> , 2021, 412, 125280.	12.4	33
8	Biochar Nanoparticles over TiO ₂ Nanotube Arrays: A Green Co-Catalyst to Boost the Photocatalytic Degradation of Organic Pollutants. <i>Catalysts</i> , 2021, 11, 1048.	3.5	27
9	Unveiling the Complexity of Japanese Metallic Threads. <i>Heritage</i> , 2021, 4, 4017-4039.	1.9	3
10	A Dewetted Dealloyed Nanoporous Pt-Co Catalyst Formed on TiO ₂ Nanotube Arrays Leads to Strongly Enhanced Photocatalytic H ₂ Production. <i>Chemistry - an Asian Journal</i> , 2020, 15, 301-309.	3.3	25
11	Exploiting Laser-Ablation ICP-MS for the Characterization of Salt-Derived Bismuth Films on Screen-Printed Electrodes: A Preliminary Investigation. <i>Biosensors</i> , 2020, 10, 119.	4.7	2
12	Thermal Oxidative Growth of Substoichiometric WO ₃ Nanowires at Mild Conditions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000235.	2.4	17
13	Non-invasive identification of pigments in Japanese coloured photographs. <i>Microchemical Journal</i> , 2020, 157, 105017.	4.5	10
14	An Operando X-ray Absorption Spectroscopy Study of a NiCu-TiO ₂ Photocatalyst for H ₂ Evolution. <i>ACS Catalysis</i> , 2020, 10, 8293-8302.	11.2	46
15	Introducing Frontal Chromatography-Inductively Coupled Plasma-Mass Spectrometry as a Fast Method for Speciation Analysis: The Case of Inorganic Arsenic. <i>Analytical Chemistry</i> , 2019, 91, 13810-13817.	6.5	13
16	Photocatalytic reduction and scavenging of Hg(II) over templated-dewetted Au on TiO ₂ nanotubes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1046-1055.	2.9	20
17	How to Efficiently Produce Ultrapure Acids. <i>International Journal of Analytical Chemistry</i> , 2019, 2019, 1-5.	1.0	32
18	Templated Dewetting Alloying of NiCu Bilayers on TiO ₂ Nanotubes Enables Efficient Noble-Metal-Free Photocatalytic H ₂ Evolution. <i>ACS Catalysis</i> , 2018, 8, 5298-5305.	11.2	61

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19	A viscous film sample chamber for Laser Ablation Inductively Coupled Plasma " Mass Spectrometry. <i>Talanta</i> , 2018, 179, 100-106.	5.5	7
20	Catalytic Steam Reforming of Acetic Acid: Latest Advances in Catalysts Development and Mechanism Elucidation. <i>Current Catalysis</i> , 2018, 7, 89-98.	0.5	4
21	Photoelectrocatalytic oxidation of As(III) over hematite photoanodes: A sensible indicator of the presence of highly reactive surface sites. <i>Electrochimica Acta</i> , 2018, 292, 828-837.	5.2	13
22	From Batch to Flow Stripping Analysis with Screen-Printed Electrodes: A Possible Way to Decentralize Trace Inorganic Analysis. <i>Chemosensors</i> , 2018, 6, 37.	3.6	0
23	Site-selective Pt dewetting on WO ₃ -coated TiO ₂ nanotube arrays: An electron transfer cascade-based H ₂ evolution photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 198-205.	20.2	82
24	Silicate dissolution boosts the CO ₂ concentrations in subduction fluids. <i>Nature Communications</i> , 2017, 8, 616.	12.8	45
25	Exploiting Chemistry to Improve Performance of Screen-Printed, Bismuth Film Electrodes (SP-BiFE). <i>Biosensors</i> , 2016, 6, 38.	4.7	18
26	Understanding microwave vessel contamination by chloride species. <i>Talanta</i> , 2016, 159, 29-33.	5.5	4
27	Quantitative analysis of COH fluids synthesized at HP " HT conditions: an optimized methodology to measure volatiles in experimental capsules. <i>Geofluids</i> , 2016, 16, 841-855.	0.7	16
28	Evaluation of the Two-Dimensional Performances of Low Activity Planar Catalysts: Development and Validation of a True Scanning Reactor. <i>ACS Combinatorial Science</i> , 2016, 18, 15-21.	3.8	2
29	Well-formed, size-controlled ruthenium nanoparticles active and stable for acetic acid steam reforming. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 599-611.	20.2	37
30	Occupational Exposure to Arsenic and Cadmium in Thin-Film Solar Cell Production. <i>Annals of Occupational Hygiene</i> , 2015, 59, 572-85.	1.9	4
31	Hierarchical Hematite Nanoplatelets for Photoelectrochemical Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11997-12004.	8.0	65
32	Anodic Stripping Tin Titration: A Method for the Voltammetric Determination of Platinum at Trace Levels. <i>Analytical Chemistry</i> , 2014, 86, 6654-6659.	6.5	2
33	Acid/Vanadium-Containing Saponite for the Conversion of Propene into Coke: Potential Flame-Retardant Filler for Nanocomposite Materials. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2394-2402.	3.3	8
34	Carbonate pseudotachylytes: evidence for seismic faulting along carbonate faults. <i>Terra Nova</i> , 2011, 23, 187-194.	2.1	17
35	Single-site and nanosized Fe-Co electrocatalysts for oxygen reduction: Synthesis, characterization and catalytic performance. <i>Journal of Power Sources</i> , 2011, 196, 2519-2529.	7.8	99
36	Design and development of a low cost, high performance UV digester prototype: Application to the determination of trace elements by stripping voltammetry. <i>Microchemical Journal</i> , 2010, 95, 158-163.	4.5	22

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37	Improving the quality of ⁶³ Cu/ ⁶⁵ Cu ratio determination by ICP-QMS through a careful evaluation of instrumental performances. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 893.	3.0	2
38	On the Properties of a Novel V-Containing Saponite Catalyst for Propene Oxidative Dehydrogenation. <i>Catalysis Letters</i> , 2009, 131, 42-48.	2.6	14
39	High-throughput spatial resolved tests over planar model catalyst libraries: A novel reactor approach. <i>Catalysis Today</i> , 2009, 147, S170-S175.	4.4	3
40	Tailored supported metal nanoparticles by CVD: an easy and efficient scale-up by a rotary bed OMCVD device. <i>Journal of Materials Chemistry</i> , 2009, 19, 9030.	6.7	10
41	Supported Rh catalysts for methane partial oxidation prepared by OM-CVD of Rh(acac)(CO) ₂ . <i>Applied Catalysis A: General</i> , 2008, 346, 126-133.	4.3	30
42	Validation of an isotope dilution, ICP-MS method based on internal mass bias correction for the determination of trace concentrations of Hg in sediment cores. <i>Talanta</i> , 2008, 74, 642-647.	5.5	28
43	Problems in the application of the three-step BCR sequential extraction to low amounts of sediments: An alternative validated route. <i>Talanta</i> , 2008, 76, 621-626.	5.5	27
44	An operando DRIFTS-MS study on model Ce _{0.5} Zr _{0.5} O ₂ redox catalyst: A critical evaluation of DRIFTS and MS data on CO abatement reaction. <i>Catalysis Today</i> , 2006, 113, 81-86.	4.4	37
45	Differential pulse voltammetric determination of tin in the presence of noble metals. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 115-121.	3.7	5
46	Kinetic peculiarities of cis/trans methyl oleate formation during hydrogenation of methyl linoleate over Pd/MgO. <i>Applied Catalysis A: General</i> , 2005, 279, 99-107.	4.3	23
47	Fast transient infrared studies in material science: development of a novel low dead-volume, high temperature DRIFTS cell. <i>Talanta</i> , 2005, 66, 674-682.	5.5	43
48	On the mechanism of fast oxygen storage and release in ceria-zirconia model catalysts. <i>Applied Catalysis B: Environmental</i> , 2004, 52, 225-237.	20.2	145
49	Ultra trace determination of Pt and Rh in wastewater and gullypot sediments from a low polluted area. <i>Annali Di Chimica</i> , 2003, 93, 181-6.	0.6	1
50	Dinitrogen Irreversible Adsorption on Overexchanged Cu-ZSM-5. <i>Journal of Physical Chemistry B</i> , 2002, 106, 13326-13332.	2.6	33
51	Environmental friendly lubricants through selective hydrogenation of rapeseed oil over supported copper catalysts. <i>Applied Catalysis A: General</i> , 2002, 233, 1-6.	4.3	63
52	A calibration curve at 2000 meters (A.S.L.): alpine valleys as field laboratories for teaching environmental monitoring to undergraduate students. <i>Annali Di Chimica</i> , 2002, 92, 407-16.	0.6	0
53	Trace determination of Ni and Cd in standard matrixes for ISO textile leaching tests. <i>Annali Di Chimica</i> , 2002, 92, 485-9.	0.6	1
54	On the effect of catalyst status in the quantitative determination of platinum in Pt-Sn/MgO materials. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 403-406.	1.5	5

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55	Characterization of Pd/MgO Catalysts: Role of Organometallic Precursor's Surface Interactions. <i>Journal of Catalysis</i> , 2001, 198, 296-308.	6.2	15
56	Automated chloride analysis in catalytic science: a low-cost hardware and software implementation. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 367, 416-421.	1.5	10
57	¹¹⁹ Sn Mössbauer study and catalytic properties of magnesia-supported platinum-tin catalysts prepared by surface organometallic chemistry. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 3903-3908.	1.5	9
58	Zeolite-supported metals by design: organometallic-based tin-promoted rhodium/NaY catalysts. <i>Applied Catalysis A: General</i> , 1999, 182, 41-51.	4.3	13
59	Cu-ZSM-5 (Si/Al=66), Cu-Fe-S-1 (Si/Fe=66) and Cu-S-1 catalysts for NO decomposition: preparation, analytical characterization and catalytic activity. <i>Microporous and Mesoporous Materials</i> , 1999, 30, 165-175.	4.4	19
60	On the role of carbonaceous material in the reduction of Cu ²⁺ to Cu ⁺ in Cu-ZSM-5 catalysts. <i>Applied Catalysis A: General</i> , 1999, 188, 107-119.	4.3	29
61	EXAFS Studies of Supported Rh-Sn Catalysts for Citral Hydrogenation. <i>Journal of Catalysis</i> , 1999, 182, 186-198.	6.2	75
62	Outstanding Performances of Magnesia-Supported Platinum-Tin Catalysts for Citral Selective Hydrogenation. <i>Journal of Catalysis</i> , 1999, 184, 1-4.	6.2	60
63	A comparison between Cu-ZSM-5, Cu-S-1 and Cu-mesoporous-silica-alumina as catalysts for NO decomposition. <i>Applied Catalysis B: Environmental</i> , 1999, 20, 67-73.	20.2	75
64	In situ analytical investigation of redox behavior of Cu-ZSM-5 catalysts. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4515-4519.	2.8	20
65	Thermochemical mass-spectrometric investigation under reducing conditions of [Pd(acac) ₂] adsorbed on magnesium oxide. <i>Thermochimica Acta</i> , 1998, 317, 157-164.	2.7	12
66	Supported metals derived from organometallics. <i>Catalysis Today</i> , 1998, 41, 139-147.	4.4	54
67	Coupling Diffuse Reflectance Fourier Transform Infrared Spectrometry With Gas Chromatography (DRIFT-GC): a High-performance Coupled Technique for Catalyst Characterization. <i>Analyst</i> , 1997, 122, 279-282.	3.5	8
68	DRIFT study of CO chemisorption on organometallics-derived Pd/MgO catalysts: the effect of chlorine. <i>Catalysis Letters</i> , 1996, 39, 183-189.	2.6	27
69	Carbonylation reactions of Rh(PPh ₃) ₃ Cl and Ru(PPh ₃) ₃ Cl ₂ in the solid state. <i>Inorganica Chimica Acta</i> , 1996, 249, 79-83.	2.4	12
70	Intrazeolitic redox chemistry of manganese prepared from Chemical vapor desposition of Mn ₂ (CO) ₁₀ on NaY. <i>Studies in Surface Science and Catalysis</i> , 1995, 98, 126-128.	1.5	1
71	In-situ EXAFS investigation of non-acidic CVD-based Pt/KL catalyst under oxidation-reduction cycles. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 2045.	1.7	20
72	Analytical chemist's approach to heterogeneous catalysis. Gas chromatographic-mass spectrometric characterization of polycyclic aromatic hydrocarbons as a fingerprint of active sites in hydrocarbon-reforming catalysts. <i>Analyst</i> , 1995, 120, 2353-2356.	3.5	1