

# Davide Spanu

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

639  
citations

623734

14  
h-index

580821

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative extraction and determination of trace elements by surfactant-free liquid-liquid microextraction from aviation and motor fuels. <i>Fuel</i> , 2022, 310, 122458.	6.4	3
2	Geochemical Markers as a Tool for the Characterization of a Multi-Layer Urban Aquifer: The Case Study of Como (Northern Italy). <i>Water (Switzerland)</i> , 2022, 14, 124.	2.7	7
3	Selective organomercury determination by ICP-MS made easy. <i>Analytica Chimica Acta</i> , 2022, 1206, 339553.	5.4	8
4	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
5	Exploring the Adsorption of Pb on Microalgae-Derived Biochar: A Versatile Material for Environmental Remediation and Electroanalytical Applications. <i>Chemosensors</i> , 2022, 10, 168.	3.6	10
6	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
7	Integration of photogrammetry from unmanned aerial vehicles, field measurements and discrete fracture network modeling to understand groundwater flow in remote settings: test and comparison with geochemical markers in an Alpine catchment. <i>Hydrogeology Journal</i> , 2021, 29, 1203-1218.	2.1	4
8	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
9	Evaluating the Environmental Impacts of Personal Protective Equipment Use by the General Population during the COVID-19 Pandemic: A Case Study of Lombardy (Northern Italy). <i>Environments - MDPI</i> , 2021, 8, 33.	3.3	19
10	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
11	Biochar Nanoparticles over TiO <sub>2</sub> Nanotube Arrays: A Green Co-Catalyst to Boost the Photocatalytic Degradation of Organic Pollutants. <i>Catalysts</i> , 2021, 11, 1048.	3.5	27
12	Unfolding the interaction between microplastics and (trace) elements in water: A critical review. <i>Water Research</i> , 2021, 204, 117637.	11.3	63
13	Bioaccumulation and biomagnification in elasmobranchs: A concurrent assessment of trophic transfer of trace elements in 12 species from the Indian Ocean. <i>Marine Pollution Bulletin</i> , 2021, 172, 112853.	5.0	19
14	Accumulation of Selected Trace Elements in Shads from Three Lakes: First Insights from Italian Pre-Alpine Area. <i>Biological Trace Element Research</i> , 2021, 199, 4753-4758.	3.5	5
15	A Dewetted Dealloyed Nanoporous Pt-Co Catalyst Formed on TiO <sub>2</sub> Nanotube Arrays Leads to Strongly Enhanced Photocatalytic H <sub>2</sub> Production. <i>Chemistry - an Asian Journal</i> , 2020, 15, 301-309.	3.3	25
16	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
17	Biochar as an alternative sustainable platform for sensing applications: A review. <i>Microchemical Journal</i> , 2020, 159, 105506.	4.5	56
18	Thermal Oxidative Growth of Substoichiometric WO <sub>3</sub> Nanowires at Mild Conditions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000235.	2.4	17

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19	Comprehensive comparison of microalgae-derived biochar from different feedstocks: A prospective study for future environmental applications. <i>Algal Research</i> , 2020, 52, 102103.	4.6	54
20	ATR-MIR spectroscopy to predict commercial milk major components: A comparison between a handheld and a benchtop instrument. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 103995.	3.5	17
21	An Operando X-ray Absorption Spectroscopy Study of a NiCu~TiO<sub>2</sub> Photocatalyst for H<sub>2</sub> Evolution. <i>ACS Catalysis</i> , 2020, 10, 8293-8302.	11.2	46
22	High-throughput, Multi-batch System for the Efficient Microwave Digestion of Biological Samples. <i>Analytical Sciences</i> , 2020, 36, 889-892.	1.6	17
23	Dewetting-Alloying of NiCu Bilayers on TiO2 Surfaces for Noble Metal-Free Photocatalytic H2 Evolution. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 892-892.	0.0	0
24	Template-Dewetted Au Nanoparticles on TiO<sub>2</sub> Nanocavities for Photocatalytic Reduction and Scavenging of Hg(II). <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 2717-2717.	0.0	1
25	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
26	Photocatalytic reduction and scavenging of Hg(II) over templated-dewetted Au on TiO2 nanotubes. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1046-1055.	2.9	20
27	Templated Dewetting~Alloying of NiCu Bilayers on TiO<sub>2</sub> Nanotubes Enables Efficient Noble-Metal-Free Photocatalytic H<sub>2</sub> Evolution. <i>ACS Catalysis</i> , 2018, 8, 5298-5305.	11.2	61
28	A viscous film sample chamber for Laser Ablation Inductively Coupled Plasma ~ Mass Spectrometry. <i>Talanta</i> , 2018, 179, 100-106.	5.5	7
29	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
30	Site-selective Pt dewetting on WO3-coated TiO2 nanotube arrays: An electron transfer cascade-based H2 evolution photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 198-205.	20.2	82
31	Understanding microwave vessel contamination by chloride species. <i>Talanta</i> , 2016, 159, 29-33.	5.5	4