Fabrizio Bardelli

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2024027/publications.pdf

Version: 2024-02-01

60 papers	2,152 citations	201385 27 h-index	233125 45 g-index
60 all docs	60 docs citations	60 times ranked	3472 citing authors

#	Article	IF	Citations
1	Chemo-physical properties of asbestos bodies in human lung tissues studied at the nano-scale by non-invasive, label free x-ray imaging and spectroscopic techniques. Toxicology Letters, 2021, 348, 18-27.	0.4	6
2	Asbestos bodies count and morphometry in bulk lung tissue samples by non-invasive X-ray micro-tomography. Scientific Reports, 2021, 11, 10608.	1.6	2
3	Spectroscopic study of volcanic ashes. Journal of Hazardous Materials, 2020, 400, 123213.	6.5	4
4	X-ray phase contrast tomography for the investigation of amyotrophic lateral sclerosis. Journal of Synchrotron Radiation, 2020, 27, 1042-1048.	1.0	11
5	Interplay of S and As in Mekong Delta sediments during redox oscillations. Geoscience Frontiers, 2019, 10, 1715-1729.	4.3	5
6	Mesothelioma: Scientific clues for prevention, diagnosis, and therapy. Ca-A Cancer Journal for Clinicians, 2019, 69, 402-429.	157.7	306
7	As release under the microbial sulfate reduction during redox oscillations in the upper Mekong delta aquifers, Vietnam: A mechanistic study. Science of the Total Environment, 2019, 663, 718-730.	3.9	19
8	Evidence for the natural origins of anomalously high chromium levels in soils of the Cecina Valley (Italy). Environmental Sciences: Processes and Impacts, 2018, 20, 965-976.	1.7	16
9	New insights on the biomineralisation process developing in human lungs around inhaled asbestos fibres. Scientific Reports, 2017, 7, 44862.	1.6	17
10	Mercury speciation in Pinus nigra barks from Monte Amiata (Italy): An X-ray absorption spectroscopy study. Environmental Pollution, 2017, 227, 83-88.	3.7	34
11	Multi-edge X-ray absorption spectroscopy study of road dust samples from a traffic area of Venice using stoichiometric and environmental references. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 971-978.	2.0	8
12	Arsenic in Shallow Aquifers Linked to the Electrical Ground Conductivity: the Mekong Delta Source Example. Geosciences Research, 2017, 2, .	0.4	2
13	Novel chitosan goethite bionanocomposite beads for arsenic remediation. Water Research, 2016, 101, 1-9.	5.3	99
14	Magnetic Hybrid Carbon via Graphitization of Polystyreneâ€"coâ€Đivinylbenzene: Morphology, Structure and Adsorption Properties. ChemistrySelect, 2016, 1, 2536-2541.	0.7	15
15	The influence of pH and reaction time on the formation of FeSe2 upon selenite reduction by nano-sized pyrite-greigite. Radiochimica Acta, 2016, 104, 649-656.	0.5	9
16	Substitution site and effects on magnetism in Sr-for-Ca substituted CaBaCo4O7. Journal of Applied Physics, 2015, 118, 134101.	1.1	4
17	Hydrogen adsorption and diffusion in synthetic Na-montmorillonites at high pressures and temperature. International Journal of Hydrogen Energy, 2015, 40, 2698-2709.	3.8	38
18	Selenium distribution and speciation in plant parts of wheat (Triticum aestivum) and Indian mustard (Brassica juncea) from a seleniferous area of Punjab, India. Science of the Total Environment, 2015, 505, 952-961.	3.9	102

#	Article	IF	Citations
19	Mercury speciation in the Mt. Amiata mining district (Italy): Interplay between urban activities and mercury contamination. Chemical Geology, 2014, 380, 110-118.	1.4	44
20	Redox reaction of aqueous selenite with As-rich pyrite from Jiguanshan ore mine (China): Reaction products and pathway. Applied Geochemistry, 2014, 47, 130-140.	1.4	18
21	Kinetics of FeSe2 oxidation by ferric iron and its reactivity compared with FeS2. Science China Chemistry, 2014, 57, 1300-1309.	4.2	17
22	Hydrogen uptake and diffusion in Callovo-Oxfordian clay rock for nuclear waste disposal technology. Applied Geochemistry, 2014, 49, 168-177.	1.4	48
23	EXAFS and XANES investigation of (Li, Ni) codoped ZnO thin films grown by pulsed laser deposition. Journal of Physics Condensed Matter, 2013, 25, 385402.	0.7	19
24	The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. Environmental Pollution, 2013, 178, 254-263.	3.7	73
25	Speciation of Sb in airborne particulate matter, vehicle brake linings, and brake pad wear residues. Atmospheric Environment, 2013, 64, 18-24.	1.9	95
26	Interaction of aqueous Se(IV)/Se(VI) with FeSe/FeSe2: Implication to Se redox process. Journal of Hazardous Materials, 2013, 248-249, 20-28.	6.5	34
27	On the Location of Host Ca Atoms Responsible for Ferrimagnetism in the Layered Cobaltites YBaCo2O5.5. Chemistry of Materials, 2013, 25, 3307-3314.	3.2	3
28	Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite. Geochimica Et Cosmochimica Acta, 2013, 106, 99-110.	1.6	58
29	Structure and properties of metal-free conductive tracks on polyethylene/multiwalled carbon nanotube composites as obtained by laser stimulated percolation. Carbon, 2013, 61, 63-71.	5.4	34
30	Arsenic-Bearing Calcite in Natural Travertines: Evidence from Sequential Extraction, Î¼XAS, and Î¼XRF. Environmental Science & Technology, 2013, 47, 6231-6238.	4.6	46
31	The local environment of Co2+ions intercalated in vanadium oxide/hexadecylamine nanotubes. Journal of Physics Condensed Matter, 2012, 24, 435302.	0.7	2
32	Iron speciation in ancient Attic pottery pigments: aÂnon-destructive SR-XAS investigation. Journal of Synchrotron Radiation, 2012, 19, 782-788.	1.0	19
33	ESTRA-FitEXA: A software package for EXAFS data analysis. Nuclear Instruments & Methods in Physics Research B, 2012, 285, 153-157.	0.6	74
34	Nanocomposite Pyriteâ€“Greigite Reactivity toward Se(IV)/Se(VI). Environmental Science & Technology, 2012, 46, 4869-4876.	4.6	62
35	Spectroscopic studies of arsenic retention onto biotite. Chemical Geology, 2011, 281, 83-92.	1.4	35
36	Arsenic uptake by natural calcite: An XAS study. Geochimica Et Cosmochimica Acta, 2011, 75, 3011-3023.	1.6	68

#	Article	IF	Citations
37	Characterization of road dust collected in Traforo del San Bernardo highway tunnel: Fe and Mn speciation. Atmospheric Environment, 2011, 45, 6459-6468.	1.9	36
38	Combined non-destructive XRF and SR-XAS study of archaeological artefacts. Analytical and Bioanalytical Chemistry, 2011, 399, 3147-3153.	1.9	32
39	EXAFS, DFT, Light-Induced Nucleobase Binding, and Cytotoxicity of the Photoactive Complexcis-[Ru(bpy)₂(CO)Cl]⁺. Organometallics, 2010, 29, 6703-6710.	1.1	38
40	Non-destructive identification of green and yellow pigments: theÂcaseÂof some Sicilian Renaissance glazed pottery. Applied Physics A: Materials Science and Processing, 2010, 100, 845-853.	1.1	9
41	Hybrid SnO2/carbon composites: From foams to films by playing with the reaction conditions. Catalysis Today, 2010, 150, 84-90.	2.2	19
42	Determination of yttrium iron garnet superexchange parameters as a function of oxygen and cation stoichiometry. Physical Review B, 2010, 81, .	1.1	22
43	Reactivities of Fe(II) on Calcite: Selenium Reduction. Environmental Science & Technology, 2010, 44, 1288-1294.	4.6	77
44	Natural attenuation of arsenic in the Tinto Santa Rosa acid stream (Iberian Pyritic Belt, SW Spain): The role of iron precipitates. Chemical Geology, 2010, 271, 1-12.	1.4	109
45	Setup for optimized grazing incidence x-ray absorption experiments on thin films on substrates. Review of Scientific Instruments, 2009, 80, 063904.	0.6	32
46	Local structure of Sr2FeMoxW1â^'xO6double perovskites across the composition-driven metal to insulator transition. Journal of Physics Condensed Matter, 2009, 21, 195502.	0.7	10
47	Nature of â€œDisorderâ€•in the Ordered Double Perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>FeMoO</mml:mi><mml:mi><r Physical Review Letters, 2009, 103, 046403.	2.9	143
48	Fe and Mn speciation in road dust particles by XAS. Journal of Physics: Conference Series, 2009, 190, 012192.	0.3	4
49	Characterization of blue decorated Renaissance pottery fragments from Caltagirone (Sicily, Italy). Applied Physics A: Materials Science and Processing, 2008, 92, 91-96.	1.1	19
50	Arsenate Incorporation in Gypsum Probed by Neutron, X-ray Scattering and Density Functional Theory Modeling. Journal of Physical Chemistry A, 2008, 112, 5159-5166.	1.1	47
51	Decorated pottery study: Analysis of pigments by x-ray absorbance spectroscopy measurements. Journal of Applied Physics, 2007, 101, 064909.	1.1	10
52	Local structure and magneto-transport in Sr2FeMoO6 oxides. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 189-193.	0.6	5
53	Quantitative structural refinement of MnK edge XANES in LaMnO3 and CaMnO3 perovskites. Nuclear Instruments & Methods in Physics Research B, 2006, 246, 158-164.	0.6	12
54	Arsenic uptake by gypsum and calcite: Modelling and probing by neutron and X-ray scattering. Physica B: Condensed Matter, 2006, 385-386, 935-937.	1.3	45

#	Article	IF	Citations
55	XAFS study on Sr2FeMoxW1â^'xO6 double perovskite series. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 126, 226-229.	1.7	1
56	Local structure and electronic properties in colossally magnetoresistive thin film of La0.87Na0.13MnO3 by Mn-K edge EXAFS and XANES. Nuclear Instruments & Methods in Physics Research B, 2005, 238, 242-247.	0.6	0
57	Local structure inLaMnO3andCaMnO3perovskites: A quantitative structural refinement of MnK-edge XANES data. Physical Review B, 2005, 72, .	1.1	34
58	Local Structure of Sr2FeMox W1xO6 Double Perovskites Studied by EXAFS. Physica Scripta, 2005, , 457.	1.2	1
59	Charge ordering and local structure in manganese oxide perovskites studied by EXAFS. Nuclear Instruments & Methods in Physics Research B, 2003, 200, 226-230.	0.6	0
60	ESTRA and FitEXA. , 0, , .		1