

# 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	Mesothelioma: Scientific clues for prevention, diagnosis, and therapy. <i>Ca-A Cancer Journal for Clinicians</i> , 2019, 69, 402-429.	157.7	306
2	Nature of "Disorder" in the Ordered Double Perovskite $\text{Sr}_2\text{FeMoO}_{10}$ . <i>Physical Review Letters</i> , 2009, 103, 046403.	2.9	143
3	Natural attenuation of arsenic in the Tinto Santa Rosa acid stream (Iberian Pyritic Belt, SW Spain): The role of iron precipitates. <i>Chemical Geology</i> , 2010, 271, 1-12.	1.4	109
4	Selenium distribution and speciation in plant parts of wheat ( <i>Triticum aestivum</i> ) and Indian mustard ( <i>Brassica juncea</i> ) from a seleniferous area of Punjab, India. <i>Science of the Total Environment</i> , 2015, 505, 952-961.	3.9	102
5	Novel chitosan goethite bionanocomposite beads for arsenic remediation. <i>Water Research</i> , 2016, 101, 1-9.	5.3	99
6	Speciation of Sb in airborne particulate matter, vehicle brake linings, and brake pad wear residues. <i>Atmospheric Environment</i> , 2013, 64, 18-24.	1.9	95
7	Reactivities of Fe(II) on Calcite: Selenium Reduction. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1288-1294.	4.6	77
8	ESTRA-FitEXA: A software package for EXAFS data analysis. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 285, 153-157.	0.6	74
9	The impact of oscillating redox conditions: Arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013, 178, 254-263.	3.7	73
10	Arsenic uptake by natural calcite: An XAS study. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 3011-3023.	1.6	68
11	Nanocomposite Pyrite "Greigite" Reactivity toward Se(IV)/Se(VI). <i>Environmental Science &amp; Technology</i> , 2012, 46, 4869-4876.	4.6	62
12	Speciation of arsenic in Greek travertines: Co-precipitation of arsenate with calcite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 99-110.	1.6	58
13	Hydrogen uptake and diffusion in Callovo-Oxfordian clay rock for nuclear waste disposal technology. <i>Applied Geochemistry</i> , 2014, 49, 168-177.	1.4	48
14	Arsenate Incorporation in Gypsum Probed by Neutron, X-ray Scattering and Density Functional Theory Modeling. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5159-5166.	1.1	47
15	Arsenic-Bearing Calcite in Natural Travertines: Evidence from Sequential Extraction, $^{57}\text{Fe}$ -XAS, and $^{137}\text{Ba}$ -XRF. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6231-6238.	4.6	46
16	Arsenic uptake by gypsum and calcite: Modelling and probing by neutron and X-ray scattering. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 935-937.	1.3	45
17	Mercury speciation in the Mt. Amiata mining district (Italy): Interplay between urban activities and mercury contamination. <i>Chemical Geology</i> , 2014, 380, 110-118.	1.4	44
18	EXAFS, DFT, Light-Induced Nucleobase Binding, and Cytotoxicity of the Photoactive Complex $[\text{Ru}(\text{bpy})_2(\text{CO})\text{Cl}]^+$ . <i>Organometallics</i> , 2010, 29, 6703-6710.	1.1	38

#	ARTICLE	IF	CITATIONS
19	Hydrogen adsorption and diffusion in synthetic Na-montmorillonites at high pressures and temperature. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2698-2709.	3.8	38
20	Characterization of road dust collected in Traforo del San Bernardo highway tunnel: Fe and Mn speciation. <i>Atmospheric Environment</i> , 2011, 45, 6459-6468.	1.9	36
21	Spectroscopic studies of arsenic retention onto biotite. <i>Chemical Geology</i> , 2011, 281, 83-92.	1.4	35
22	Local structure in LaMnO <sub>3</sub> and CaMnO <sub>3</sub> perovskites: A quantitative structural refinement of Mn K-edge XANES data. <i>Physical Review B</i> , 2005, 72, .	1.1	34
23	Interaction of aqueous Se(IV)/Se(VI) with FeSe/FeSe <sub>2</sub> : Implication to Se redox process. <i>Journal of Hazardous Materials</i> , 2013, 248-249, 20-28.	6.5	34
24	Structure and properties of metal-free conductive tracks on polyethylene/multiwalled carbon nanotube composites as obtained by laser stimulated percolation. <i>Carbon</i> , 2013, 61, 63-71.	5.4	34
25	Mercury speciation in <i>Pinus nigra</i> barks from Monte Amiata (Italy): An X-ray absorption spectroscopy study. <i>Environmental Pollution</i> , 2017, 227, 83-88.	3.7	34
26	Setup for optimized grazing incidence x-ray absorption experiments on thin films on substrates. <i>Review of Scientific Instruments</i> , 2009, 80, 063904.	0.6	32
27	Combined non-destructive XRF and SR-XAS study of archaeological artefacts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3147-3153.	1.9	32
28	Determination of yttrium iron garnet superexchange parameters as a function of oxygen and cation stoichiometry. <i>Physical Review B</i> , 2010, 81, .	1.1	22
29	Characterization of blue decorated Renaissance pottery fragments from Caltagirone (Sicily, Italy). <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 91-96.	1.1	19
30	Hybrid SnO <sub>2</sub> /carbon composites: From foams to films by playing with the reaction conditions. <i>Catalysis Today</i> , 2010, 150, 84-90.	2.2	19
31	Iron speciation in ancient Attic pottery pigments: a non-destructive SR-XAS investigation. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 782-788.	1.0	19
32	EXAFS and XANES investigation of (Li, Ni) codoped ZnO thin films grown by pulsed laser deposition. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 385402.	0.7	19
33	As release under the microbial sulfate reduction during redox oscillations in the upper Mekong delta aquifers, Vietnam: A mechanistic study. <i>Science of the Total Environment</i> , 2019, 663, 718-730.	3.9	19
34	Redox reaction of aqueous selenite with As-rich pyrite from Jiguanshan ore mine (China): Reaction products and pathway. <i>Applied Geochemistry</i> , 2014, 47, 130-140.	1.4	18
35	Kinetics of FeSe <sub>2</sub> oxidation by ferric iron and its reactivity compared with FeS <sub>2</sub> . <i>Science China Chemistry</i> , 2014, 57, 1300-1309.	4.2	17
36	New insights on the biomineralisation process developing in human lungs around inhaled asbestos fibres. <i>Scientific Reports</i> , 2017, 7, 44862.	1.6	17

#	ARTICLE	IF	CITATIONS
37	Evidence for the natural origins of anomalously high chromium levels in soils of the Cecina Valley (Italy). <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 965-976.	1.7	16
38	Magnetic Hybrid Carbon via Graphitization of Polystyrene-co-Divinylbenzene: Morphology, Structure and Adsorption Properties. <i>ChemistrySelect</i> , 2016, 1, 2536-2541.	0.7	15
39	Quantitative structural refinement of MnK edge XANES in LaMnO <sub>3</sub> and CaMnO <sub>3</sub> perovskites. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 246, 158-164.	0.6	12
40	X-ray phase contrast tomography for the investigation of amyotrophic lateral sclerosis. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1042-1048.	1.0	11
41	Decorated pottery study: Analysis of pigments by x-ray absorbance spectroscopy measurements. <i>Journal of Applied Physics</i> , 2007, 101, 064909.	1.1	10
42	Local structure of Sr <sub>2</sub> Fe <sub>1-x</sub> W <sub>1+x</sub> O <sub>6</sub> double perovskites across the composition-driven metal to insulator transition. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 195502.	0.7	10
43	Non-destructive identification of green and yellow pigments: the case of some Sicilian Renaissance glazed pottery. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 845-853.	1.1	9
44	The influence of pH and reaction time on the formation of FeSe <sub>2</sub> upon selenite reduction by nano-sized pyrite-greigite. <i>Radiochimica Acta</i> , 2016, 104, 649-656.	0.5	9
45	Multi-edge X-ray absorption spectroscopy study of road dust samples from a traffic area of Venice using stoichiometric and environmental references. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 971-978.	2.0	8
46	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. <i>Toxicology Letters</i> , 2021, 348, 18-27.	0.4	6
47	Local structure and magneto-transport in Sr <sub>2</sub> FeMoO <sub>6</sub> oxides. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 246, 189-193.	0.6	5
48	Interplay of S and As in Mekong Delta sediments during redox oscillations. <i>Geoscience Frontiers</i> , 2019, 10, 1715-1729.	4.3	5
49	Fe and Mn speciation in road dust particles by XAS. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012192.	0.3	4
50	Substitution site and effects on magnetism in Sr-for-Ca substituted CaBaCo <sub>4</sub> O <sub>7</sub> . <i>Journal of Applied Physics</i> , 2015, 118, 134101.	1.1	4
51	Spectroscopic study of volcanic ashes. <i>Journal of Hazardous Materials</i> , 2020, 400, 123213.	6.5	4
52	On the Location of Host Ca Atoms Responsible for Ferrimagnetism in the Layered Cobaltites YBaCo <sub>2</sub> O <sub>5.5</sub> . <i>Chemistry of Materials</i> , 2013, 25, 3307-3314.	3.2	3
53	The local environment of Co <sup>2+</sup> ions intercalated in vanadium oxide/hexadecylamine nanotubes. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 435302.	0.7	2
54	Asbestos bodies count and morphometry in bulk lung tissue samples by non-invasive X-ray micro-tomography. <i>Scientific Reports</i> , 2021, 11, 10608.	1.6	2

#	ARTICLE	IF	CITATIONS
55	Arsenic in Shallow Aquifers Linked to the Electrical Ground Conductivity: the Mekong Delta Source Example. <i>Geosciences Research</i> , 2017, 2, .	0.4	2
56	Local Structure of Sr <sub>2</sub> FeMoxW <sub>1-x</sub> O <sub>6</sub> Double Perovskites Studied by EXAFS. <i>Physica Scripta</i> , 2005, , 457.	1.2	1
57	XAFS study on Sr <sub>2</sub> FeMoxW <sub>1-x</sub> O <sub>6</sub> double perovskite series. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 226-229.	1.7	1
58	<i>ESTRA</i> and <i>FitEXA</i> . , 0, , .		1
59	Charge ordering and local structure in manganese oxide perovskites studied by EXAFS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 200, 226-230.	0.6	0
60	Local structure and electronic properties in colossally magnetoresistive thin film of La <sub>0.87</sub> Na <sub>0.13</sub> MnO <sub>3</sub> by Mn-K edge EXAFS and XANES. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 238, 242-247.	0.6	0