

Ruggero Vigliaturo

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

253
citations

933447

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all docs

24
docs citations

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times ranked

290
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Structure and Morphology in Diffusion-Driven Growth of Nanowires: The Case of ZnTe. <i>Nano Letters</i> , 2014, 14, 1877-1883. | 9.1 | 26 |
| 2 | Stability of mineral fibres in contact with human cell cultures. An in situ μ XANES, μ XRD and XRF iron mapping study. <i>Chemosphere</i> , 2016, 164, 547-557. | 8.2 | 23 |
| 3 | Is fibrous ferrierite a potential health hazard? Characterization and comparison with fibrous erionite. <i>American Mineralogist</i> , 2018, 103, 1044-1055. | 1.9 | 21 |
| 4 | Mineral fibres and environmental monitoring: A comparison of different analytical strategies in New Caledonia. <i>Geoscience Frontiers</i> , 2020, 11, 189-202. | 8.4 | 19 |
| 5 | Mineral Fibres and Asbestos Bodies in Human Lung Tissue: A Case Study. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 618. | 2.0 | 18 |
| 6 | Infra Red Spectroscopy of the Regulated Asbestos Amphiboles. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 413. | 2.0 | 16 |
| 7 | Asbestos and Other Hazardous Fibrous Minerals: Potential Exposure Pathways and Associated Health Risks. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4031. | 2.6 | 16 |
| 8 | New insights into the toxicity of mineral fibres: A combined in situ synchrotron μ XRD and HR-TEM study of chrysotile, crocidolite, and erionite fibres found in the tissues of Sprague-Dawley rats. <i>Toxicology Letters</i> , 2017, 274, 20-30. | 0.8 | 14 |
| 9 | Assessment of the potential hazard represented by natural raw materials containing mineral fibres – The case of the feldspar from Orani, Sardinia (Italy). <i>Journal of Hazardous Materials</i> , 2018, 350, 76-87. | 12.4 | 12 |
| 10 | Mineralogical Characterization and Dissolution Experiments in Gamble's Solution of Tremolitic Amphibole from Passo di Caldenno (Sondrio, Italy). <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 557. | 2.0 | 11 |
| 11 | Multi-scale characterization of glaucophane from Chiavolino (Biella, Italy): implications for international regulations on elongate mineral particles. <i>European Journal of Mineralogy</i> , 2021, 33, 77-112. | 1.3 | 9 |
| 12 | The wild rat as sentinel animal in the environmental risk assessment of asbestos pollution: A pilot study. <i>Science of the Total Environment</i> , 2014, 479-480, 31-38. | 8.0 | 8 |
| 13 | Experimental quantification of the Fe-valence state at amosite-asbestos boundaries using acSTEM dual-electron energy-loss spectroscopy. <i>American Mineralogist</i> , 2019, 104, 1820-1828. | 1.9 | 8 |
| 14 | Alteration of yellow traffic paint in simulated environmental and biological fluids. <i>Science of the Total Environment</i> , 2021, 750, 141202. | 8.0 | 8 |
| 15 | Dimensional distribution control of elongate mineral particles for their use in biological assays. <i>MethodsX</i> , 2020, 7, 100937. | 1.6 | 7 |
| 16 | Depicting the crystal structure of fibrous ferrierite from British Columbia using a combined synchrotron techniques approach. <i>Journal of Applied Crystallography</i> , 2019, 52, 1397-1408. | 4.5 | 7 |
| 17 | Nanoscale transformations of amphiboles within human alveolar epithelial cells. <i>Scientific Reports</i> , 2022, 12, 1782. | 3.3 | 7 |
| 18 | “Rinse and trickle”: a protocol for TEM preparation and investigation of inorganic fibers from biological material. <i>Inhalation Toxicology</i> , 2016, 28, 357-363. | 1.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | High-temperature behavior of natural ferrierite: In-situ synchrotron X-ray powder diffraction study. <i>American Mineralogist</i> , 2018, 103, 1741-1748. | 1.9 | 5 |
| 20 | Micro- and nano-scale mineralogical characterization of Fe(II)-oxidizing bacterial stalks. <i>Geobiology</i> , 2020, 18, 606-618. | 2.4 | 5 |
| 21 | Opaline phytoliths in <i>Miscanthus sinensis</i> and its cyclone ash from a biomass-combustion facility. <i>Industrial Crops and Products</i> , 2019, 139, 111539. | 5.2 | 3 |
| 22 | Reply to Mirabelli et al. Is Mesothelioma Unrelated to the Lung Asbestos Burden? Comment on "Visoni et al. Inorganic Fiber Lung Burden in Subjects with Occupational and/or Anthropogenic Environmental Asbestos Exposure in Broni (Pavia, Northern Italy): An SEM-EDS Study on Autoptic Samples. <i>Int. J. Environ. Res. Public Health</i> 2021, 18, 2053". <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7181. | 2.6 | 3 |
| 23 | DISSOLUTION EXPERIMENTS OF YELLOW TRAFFIC PAINT CONTAINING LEAD CHROMATE (PBCRO ₄). , 2019, , . | | 0 |