

Ernesto Mesto

List of Publications by Year in descending order

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51
papers

810
citations

471509

17
h-index

552781

26
g-index

51
all docs

51
docs citations

51
times ranked

1213
citing authors

#	ARTICLE	IF	CITATIONS
1	THE SOUND OF SCIENCE(S): A SOUND-BASED PROJECT FOR INCLUSIVE STEAM EDUCATION AND SCIENCE COMMUNICATION. EDULEARN Proceedings, 2022, , .	0.0	0
2	Using a natural chlorite as catalyst in chemical recycling of waste plastics: Hydrolytic depolymerization of poly-[bisphenol A carbonate] promoted by clinocllore. Waste Management, 2021, 120, 642-649.	7.4	18
3	Catalytic alcohol oxidation using cationic Schiff base manganese(III) complexes with flexible diamino bridge. Polyhedron, 2021, 193, 114873.	2.2	12
4	Spectroscopy and crystal chemical properties of NaCa ₂ [Si ₄ O ₁₀]F natural agrellite with tubular structure. Chemical Physics Letters, 2020, 738, 136868.	2.6	15
5	Effects of a nitrogen seeded plasma on nanostructured tungsten films having fusion-relevant features. Nuclear Materials and Energy, 2020, 25, 100808.	1.3	9
6	Crystal-chemistry of micas belonging to the yangzhumingite-fluorophlogopite and phlogopite-fluorophlogopite series from the Apuan Alps (northern Tuscany, Italy). Physics and Chemistry of Minerals, 2020, 47, 1.	0.8	3
7	Alcohol Oxidations by Schiff Base Manganese(III) Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 480-490.	2.0	11
8	Recycling contaminated marine sediments as filling materials by pilot scale stabilization/solidification with lime, organoclay and activated carbon. Journal of Cleaner Production, 2020, 269, 122416.	9.3	22
9	Armstrongite at non-ambient conditions: An in-situ high-pressure single-crystal X-ray diffraction study. Microporous and Mesoporous Materials, 2019, 274, 171-175.	4.4	5
10	Armstrongite at non ambient conditions: An in-situ high temperature single crystal X-ray diffraction study. Microporous and Mesoporous Materials, 2019, 275, 180-190.	4.4	1
11	Effect of Methyl- β -Cyclodextrin on the antimicrobial activity of a new series of poorly water-soluble benzothiazoles. Carbohydrate Polymers, 2019, 207, 720-728.	10.2	31
12	Refinement of the Crystal Structure of Vlasovite from Burpala Massif (Russia). Crystallography Reports, 2018, 63, 1092-1098.	0.6	6
13	Interaction between the photosynthetic anoxygenic microorganism Rhodobacter sphaeroides and soluble gold compounds. From toxicity to gold nanoparticle synthesis. Colloids and Surfaces B: Biointerfaces, 2018, 172, 362-371.	5.0	18
14	Thermal stability and dehydration of armstrongite, a microporous zirconium silicate. Microporous and Mesoporous Materials, 2018, 272, 137-142.	4.4	4
15	Hydrocarbons in phlogopite from Kasenyi kamafugitic rocks (SW Uganda): cross-correlated AFM, confocal microscopy and Raman imaging. Scientific Reports, 2017, 7, 40663.	3.3	7
16	Structure refinement and crystal chemistry of tokkoite and tinaksite from the Murun massif (Russia). Mineralogical Magazine, 2017, 81, 251-272.	1.4	12
17	Single-crystal X-ray diffraction, EMPA, FTIR and X-ray photoelectron spectroscopy study of narsarsukite from Murun Massif, Russia. Mineralogical Magazine, 2017, 81, 339-354.	1.4	5
18	Fluorophlogopite-bearing and carbonate metamorphosed xenoliths from the Campanian Ignimbrite (Fiano, southern Italy): crystal chemical, geochemical and volcanological insights. Mineralogical Magazine, 2017, 81, 1165-1189.	1.4	8

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19	Structural anomalies in tobelite-2M ₂ explained by high resolution and analytical electron microscopy. <i>Mineralogical Magazine</i> , 2016, 80, 143-156.	1.4	8
20	Crystal chemistry and light elements analysis of Ti-rich garnets. <i>American Mineralogist</i> , 2016, 101, 371-384.	1.9	20
21	Croconaines as molecular materials for organic electronics: synthesis, solid state structure and use in transistor devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3138-3142.	5.5	23
22	THE MUSIC OF MOLECULES: NOVEL APPROACHES FOR STEM EDUCATION. <i>EDULEARN Proceedings</i> , 2016, , .	0.0	2
23	Au/In ₂ O ₃ and Au/ZrO ₂ composite nanoparticles via <i>in situ</i> sacrificial gold electrolysis. <i>Materials Express</i> , 2015, 5, 171-179.	0.5	4
24	Influence of electronic and steric effects of substituted ligands coordinated to Ir(^{III}) complexes on the solution processed OLED properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7506-7512.	5.5	29
25	Use of natural clays as sorbent materials for rare earth ions: Materials characterization and set up of the operative parameters. <i>Waste Management</i> , 2015, 46, 546-556.	7.4	37
26	Armstrongite from Khan Bogdo (Mongolia): Crystal structure determination and implications for zeolite-like cation exchange properties. <i>American Mineralogist</i> , 2014, 99, 2424-2432.	1.9	10
27	The effect of XPS background removing method on the appraisal of Ti and Fe: The case of phlogopites and brookite. <i>American Mineralogist</i> , 2014, 99, 139-148.	1.9	8
28	Structure and modeling of disorder in miserite from the Murun (Russia) and Dara-i-Pioz (Tajikistan) massifs. <i>Physics and Chemistry of Minerals</i> , 2014, 41, 49-63.	0.8	10
29	Yangzhumingite and phlogopite from the KvalÅya lamproite (North Norway): Structure, composition and origin. <i>Lithos</i> , 2014, 210-211, 1-13.	1.4	11
30	Synthesis and Structure of Conjugated Molecules with the Benzofulvene Core. <i>Organic Letters</i> , 2014, 16, 3424-3427.	4.6	16
31	A new application of SIMS to the analysis of nitrogen in mica minerals: tobelite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 55, 012014.	0.6	1
32	Mechanochemical degradation of pentachlorophenol onto birnessite. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 303-310.	12.4	37
33	The correct assignment of stereochemistry in di- μ_4 -dichlorido-bis{bis[2-(5-benzylsulfonyl)-3-fluoro-2-(pyridin-2-yl)phenyl- η^2 N,C1]iridium(III)} toluene monosolvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 480-482.	0.4	6
34	3T-phlogopite from Kasenyi kamafugite (SW Uganda): EPMA, XPS, FTIR, and SCXRD study. <i>American Mineralogist</i> , 2013, 98, 709-717.	1.9	16
35	Hydrogen-bonded and π - π interaction assembly in two 8-alkoxycarbonyl-1,8-diazabicyclo[5.4.0]undec-7-enium chloride salts. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 444-447.	0.4	1
36	2M1-phlogopite from Black Hills (South Australia): The first case of configurational polytype in micas. <i>American Mineralogist</i> , 2012, 97, 2016-2023.	1.9	7

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37	Crystal chemistry of trioctahedral micas-2M1 from Bunyaruguru kamafugite (southwest Uganda). <i>American Mineralogist</i> , 2012, 97, 430-439.	1.9	14
38	Chemical and structural study of 1M- and 2M 1-phlogopites coexisting in the same Kasenyi kamafugitic rock (SW Uganda). <i>Physics and Chemistry of Minerals</i> , 2012, 39, 601-611.	0.8	15
39	Tobelite and NH ₄ ⁺ -rich muscovite single crystals from Ordovician Armorican sandstones (Brittany, France). <i>Journal of Metamorphic Geology</i> , 2011, 29, 107-120.	1.9	20
40	Mechanochemical transformation of an organic ligand on mineral surfaces: The efficiency of birnessite in catechol degradation. <i>Journal of Hazardous Materials</i> , 2012, 201-202, 148-154.	12.4	15
41	DBU-promoted Nucleophilic Activation of Carbonic Acid Diesters. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2458-2465.	2.4	52
42	Calcium-aluminum-silicate-hydrate (ceement) phases and rare Ca-zeolite association at Colle Fabbri, Central Italy. <i>Open Geosciences</i> , 2010, 2, 175-187.	1.7	12
43	Sorption of arsenate and dichromate on polymerin, Fe(OH) ₂ -polymerin complex and ferrihydrite. <i>Journal of Hazardous Materials</i> , 2009, 166, 1174-1179.	12.4	26
44	Phlogopite from the Ventaruolo subsynthem volcanics (Mt Vulture, Italy): a multi-method study. <i>Mineralogical Magazine</i> , 2007, 71, 519-537.	1.4	12
45	Deposition of Super-Hydrophobic and Oleophobic Fluorocarbon Films in Radio Frequency Glow Discharges. <i>Macromolecular Symposia</i> , 2007, 247, 295-302.	0.7	23
46	Interaction of PdCl ₂ -2-(<i>i</i> -diphenylphosphine)ethylpyridine Complex with Diols and CO: Synthesis of New Alkoxy carbonyl Complexes, Key Intermediates to Cyclic Carbonates. <i>Organometallics</i> , 2006, 25, 2872-2879.	2.3	25
47	Preparation of plasma-polymerized SiO _x -like thin films from a mixture of hexamethyldisiloxane and oxygen to improve the corrosion behaviour. <i>Surface and Coatings Technology</i> , 2006, 200, 3035-3040.	4.8	39
48	The First Example of a Dinuclear Platinum(III) Complex with Three Bridging Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1635-1642.	2.0	11
49	An electron microprobe analysis, secondary ion mass spectrometry, and single-crystal X-ray diffraction study of phlogopites from Mt. Vulture, Potenza, Italy: Consideration of cation partitioning. <i>American Mineralogist</i> , 2006, 91, 182-190.	1.9	27
50	Investigation of the effects of plasma treatments on biodeteriorated ancient paper. <i>Applied Surface Science</i> , 2005, 252, 1159-1166.	6.1	59
51	Cation-site partitioning in Ti-rich micas from Black Hill (Australia): a multi-technical approach. <i>Clays and Clay Minerals</i> , 2005, 53, 179-189.	1.3	27