

Pascale Gautret

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6501696/publications.pdf>

Version: 2024-02-01

39
papers

1,615
citations

430843

18
h-index

302107

39
g-index

45
all docs

45
docs citations

45
times ranked

1668
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosignatures on Mars: What, Where, and How? Implications for the Search for Martian Life. <i>Astrobiology</i> , 2015, 15, 998-1029.	3.0	209
2	Nature and environmental significance of microbialites in Quaternary reefs: the Tahiti paradox. <i>Sedimentary Geology</i> , 1999, 126, 271-304.	2.1	179
3	Mud mounds: A polygenetic spectrum of fine-grained carbonate buildups. <i>Facies</i> , 1995, 32, 1-69.	1.4	126
4	Petrology of Lower Cretaceous carbonate mud mounds (Albian, N. Spain): insights into organomineralic deposits of the geological record. <i>Sedimentology</i> , 1999, 46, 837-859.	3.1	111
5	Geysirite in hot-spring siliceous sinter: Window on Earth's hottest terrestrial (paleo)environment and its extreme life. <i>Earth-Science Reviews</i> , 2015, 148, 44-64.	9.1	95
6	Compositional diversity of soluble mineralizing matrices in some recent coral skeletons compared to fine-scale growth structures of fibres: discussion of consequences for biomineralization and diagenesis. <i>International Journal of Earth Sciences</i> , 1999, 88, 582-592.	1.8	83
7	Archean (3.33 Ga) microbe-sediment systems were diverse and flourished in a hydrothermal context. <i>Geology</i> , 2015, 43, 615-618.	4.4	82
8	Biochemical markers of zooxanthellae symbiosis in soluble matrices of skeleton of 24 Scleractinia species. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 1999, 123, 269-278.	1.8	57
9	Biochemical Control of Calcium Carbonate Precipitation in Modern Lagoonal Microbialites, Tikehau Atoll, French Polynesia. <i>Journal of Sedimentary Research</i> , 2004, 74, 462-478.	1.6	52
10	Composition of soluble mineralizing matrices in zooxanthellate and non-zooxanthellate scleractinian corals: Biochemical assessment of photosynthetic metabolism through the study of a skeletal feature. <i>Facies</i> , 1997, 36, 189-194.	1.4	45
11	Molecular fossils and other organic markers as palaeoenvironmental indicators of the Messinian Calcare di Base Formation: normal versus stressed marine deposition (Rossano Basin, northern Tj ETQq1 1 0.784324rgBT /Overlock 10		
12	Skeletal formation in the modern but ultraconservative chaetetid sponge <i>Spirastrella</i> (<i>Acanthochaetetes</i>) <i>wellsi</i> (demospongiae, porifera). <i>Facies</i> , 1996, 34, 193-207.	1.4	40
13	Biosedimentology of Microbial Buildups IGCP Project No. 380 Proceedings of 2nd Meeting, Göttingen/Germany 1996. <i>Facies</i> , 1997, 36, 195-284.	1.4	40
14	Organic and Biogeochemical Patterns in Cryptic Microbialites. , 2000, , 149-160.		39
15	Characterization and mobility of arsenic and heavy metals in soils polluted by the destruction of arsenic-containing shells from the Great War. <i>Science of the Total Environment</i> , 2016, 550, 658-669.	8.0	38
16	Metallomics in deep time and the influence of ocean chemistry on the metabolic landscapes of Earth's earliest ecosystems. <i>Scientific Reports</i> , 2020, 10, 4965.	3.3	31
17	Viruses Occur Incorporated in Biogenic High-Mg Calcite from Hypersaline Microbial Mats. <i>PLoS ONE</i> , 2015, 10, e0130552.	2.5	27
18	Automicrites in modern cyanobacterial stromatolitic deposits of Rangiroa, Tuamotu Archipelago, French Polynesia: Biochemical parameters underlying their formation. <i>Sedimentary Geology</i> , 2005, 178, 55-73.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Extraterrestrial organic matter preserved in 3.33â€Ga sediments from Barberton, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 207-225.	3.9	21
20	Syn depositional cements associated with nanofossils in the Marmolada Massif: Evidences of microbially mediated primary marine cements? (Middle Triassic, Dolomites, Italy). <i>Sedimentary Geology</i> , 2006, 185, 267-275.	2.1	20
21	Mechanistic Morphogenesis of Organo-Sedimentary Structures Growing Under Geochemically Stressed Conditions: Keystone to Proving the Biogenicity of Some Archaean Stromatolites?. <i>Geosciences (Switzerland)</i> , 2019, 9, 359.	2.2	19
22	Defining organominerals: Comment on "Defining biominerals and organominerals: Direct and indirect indicators of life"™ by Perry et al. (2007, <i>Sedimentary Geology</i> , 201, 157â€179). <i>Sedimentary Geology</i> , 2009, 213, 152-155.	2.1	17
23	Dating Carbonaceous Matter in Archean Cherts by Electron Paramagnetic Resonance. <i>Astrobiology</i> , 2013, 13, 151-162.	3.0	17
24	Preservation and Evolution of Organic Matter During Experimental Fossilisation of the Hyperthermophilic Archaea <i>Methanocaldococcus jannaschii</i> . <i>Origins of Life and Evolution of Biospheres</i> , 2012, 42, 587-609.	1.9	15
25	Are environmental conditions recorded by the organic matrices associated with precipitated calcium carbonate in cyanobacterial microbialites?. <i>Geobiology</i> , 2006, 4, 93-107.	2.4	13
26	The structure and role of the "cepetola" microbial mat in sea salt production of the SeÅovlje (Slovenia). <i>Science of the Total Environment</i> , 2018, 644, 1254-1267.	8.0	12
27	Microcosm-scale biogeochemical stabilization of Pb, As, Ba and Zn in mine tailings amended with manure and ochre. <i>Applied Geochemistry</i> , 2019, 111, 104438.	3.0	12
28	Microbial community response to environmental changes in a technosol historically contaminated by the burning of chemical ammunitions. <i>Science of the Total Environment</i> , 2019, 697, 134108.	8.0	12
29	Impact of Fe(III) (Oxyhydr)oxides Mineralogy on Iron Solubilization and Associated Microbial Communities. <i>Frontiers in Microbiology</i> , 2020, 11, 571244.	3.5	12
30	Electron Paramagnetic Resonance Study of a Photosynthetic Microbial Mat and Comparison with Archean Cherts. <i>Origins of Life and Evolution of Biospheres</i> , 2012, 42, 569-585.	1.9	10
31	Conservation of a permanent hypersaline lake: management options evaluated from decadal variability of <i>Coleofasciculus chthonoplastes</i> microbial mats. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 532-545.	2.0	10
32	Influence of environmental changes on the biogeochemistry of arsenic in a soil polluted by the destruction of chemical weapons: A mesocosm study. <i>Science of the Total Environment</i> , 2018, 627, 216-226.	8.0	10
33	Recherche sur les affinitÃ©s des Spongiomorphae Frech, 1890. <i>Geobios</i> , 1993, 26, 279-290.	1.4	7
34	Matrices organiques intrasquelettiques des sclÃ©ractiniales rÃ©cifiques: Ã©volution diagÃ©nÃ©tique prÃ©coce de leurs caractÃ©ristiques biochimiques et consÃ©quences pour les processus de cimentation. <i>Geobios</i> , 2000, 33, 73-78.	1.4	7
35	Microbialites and microbial communities: Biological diversity, biogeochemical functioning, diagenetic processes, tracers of environmental changes. <i>Sedimentary Geology</i> , 2006, 185, 127-130.	2.1	6
36	Effect of water table variations and input of natural organic matter on the cycles of C and N, and mobility of As, Zn and Cu from a soil impacted by the burning of chemical warfare agents: A mesocosm study. <i>Science of the Total Environment</i> , 2017, 595, 279-293.	8.0	6

#	ARTICLE	IF	CITATIONS
37	Reply to "Reply to comments on defining biominerals and organominerals: Direct and indirect indicators of life [Perry et al., Sedimentary Geology, 201, 157-179]" by R.S. Perry and M.A. Sephton. Sedimentary Geology, 2010, 223, 390-391.	2.1	5
38	Evolution des Scleractiniaires: Diversité des architectures poreuses au Trias supérieur. Geobios, 1993, 26, 405-412.	1.4	3
39	Présence d'un Stromatopore calcitique dans le Trias de Turquie (nappes d'Antalya, Alakir Cay). Geobios, 1991, 24, 417-421.	1.4	0