Mustafa YÃœcel

List of Publications by Year
in descending order

37	1,485	331538 21	345118 36
papers	citations	h-index	g-index

37	37	37	2375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Turkeyâ€™s globally important biodiversity in crisis. Biological Conservation, 2011, 144, 2752-2769.	1.9	254
2	Hydrothermal vents as a kinetically stable source of iron-sulphide-bearing nanoparticles to the ocean. Nature Geoscience, 2011, 4, 367-371.	5.4	210
3	Forearc carbon sink reduces long-term volatile recycling into the mantle. Nature, 2019, 568, 487-492.	13.7	97
4	Marine Chemical Technology and Sensors for Marine Waters: Potentials and Limits. Annual Review of Marine Science, 2009, 1, 91-115.	5.1	78
5	Sulfur speciation in the upper Black Sea sediments. Chemical Geology, 2010, 269, 364-375.	1.4	68
6	Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. Frontiers in Marine Science, 2019, 6, .	1.2	47
7	Formation of Zn- and Fe-sulfides near hydrothermal vents at the Eastern Lau Spreading Center: implications for sulfide bioavailability to chemoautotrophs. Geochemical Transactions, 2008, 9, 6.	1.8	44
8	Eco-geochemical dynamics of a shallow-water hydrothermal vent system at Milos Island, Aegean Sea (Eastern Mediterranean). Chemical Geology, 2013, 356, 11-20.	1.4	41
9	Iron and sulfide nanoparticle formation and transport in nascent hydrothermal vent plumes. Nature Communications, 2019, 10, 1597.	5.8	40
10	Sulfide production and consumption in degrading wood in the marine environment. Chemosphere, 2013, 90, 403-409.	4.2	38
11	Community succession in hydrothermal vent habitats of the Eastern Lau Spreading Center and Valu Fa Ridge, Tonga. Limnology and Oceanography, 2014, 59, 1510-1528.	1.6	38
12	Sulfide Oxidation across Diffuse Flow Zones of Hydrothermal Vents. Aquatic Geochemistry, 2011, 17, 583-601.	1.5	37
13	Porewater redox species and processes in the Black Sea sediments. Chemical Geology, 2007, 245, 254-274.	1.4	36
14	Temporal and spatial constraints on community assembly during microbial colonization of wood in seawater. ISME Journal, 2015, 9, 2657-2670.	4.4	35
15	Voltammetric (Micro)Electrodes for the In Situ Study of Fe²⁺ Oxidation Kinetics in Hot Springs and S₂O$m{ _3^{2 - } }$ Production at Hydrothermal Vents. Electroanalysis, 2008, 20, 280-290.	1.5	34
16	Effect of tectonic processes on biosphereâ€“geosphere feedbacks across a convergent margin. Nature Geoscience, 2021, 14, 301-306.	5.4	32
17	Hydrothermal Vent Mussel Habitat Chemistry, Pre- and Post-Eruption at 9Â°50â€²North on the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 169-175.	0.3	29
18	Chemistry, Temperature, and Faunal Distributions at Diffuse-Flow Hydrothermal Vents: Comparison of Two Geologically Distinct Ridge Systems. Oceanography, 2012, 25, 234-245.	0.5	28

#	Article	IF	Citations
19	Major Bottom Water Ventilation Events Do Not Significantly Reduce Basin-Wide Benthic N and P Release in the Eastern Gotland Basin (Baltic Sea). Frontiers in Marine Science, 2017, 4, .	1.2	28
20	Nitrate and Nitrite Variability at the Seafloor of an Oxygen Minimum Zone Revealed by a Novel Microfluidic In-Situ Chemical Sensor. PLoS ONE, 2015, 10, e0132785.	1.1	28
21	Diversity and Distribution of Prokaryotes within a Shallow-Water Pockmark Field. Frontiers in Microbiology, 2016, 7, 941.	1.5	27
22	Hydrothermal Energy Transfer and Organic Carbon Production at the Deep Seafloor. Frontiers in Marine Science, 2019, 5, .	1.2	27
23	Ecological Succession of Sulfur-Oxidizing Epsilon- and Gammaproteobacteria During Colonization of a Shallow-Water Gas Vent. Frontiers in Microbiology, 2018, 9, 2970.	1.5	25
24	Earthquake-induced turbidite deposition as a previously unrecognized sink for hydrogen sulfide in the Black Sea sediments. Marine Chemistry, 2010, 121, 176-186.	0.9	24
25	Compact autonomous voltammetric sensor for sulfide monitoring in deep sea vent habitats. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 80, 47-57.	0.6	19
26	Bathymodiolus growth dynamics in relation to environmental fluctuations in vent habitats. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 106, 183-193.	0.6	17
27	Recent sedimentation in the Black Sea: New insights from radionuclide distributions and sulfur isotopes. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 66, 103-113.	0.6	16
28	Fe-catalyzed sulfide oxidation in hydrothermal plumes is a source of reactive oxygen species to the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
29	Temporal trends in vent fluid iron and sulfide chemistry following the 2005/2006 eruption at East Pacific Rise, 9Â°50â€²N. Geochemistry, Geophysics, Geosystems, 2013, 14, 759-765.	1.0	13
30	High ³ He/ ⁴ He in central Panama reveals a distal connection to the GalÃ¡pagos plume. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
31	Down the thermodynamic ladder: A comparative study of marine redox gradients across diverse sedimentary environments. Estuarine, Coastal and Shelf Science, 2013, 131, 83-92.	0.9	11
32	Microbial Sulfide Filter along a Benthic Redox Gradient in the Eastern Gotland Basin, Baltic Sea. Frontiers in Microbiology, 2017, 8, 169.	1.5	10
33	Ecogeochemical fate of coarse organic particles in sediments of the RhÃ´ne River prodelta. Estuarine, Coastal and Shelf Science, 2014, 141, 97-103.	0.9	9
34	Turbidite deposition and diagenesis in the southwestern Black Sea: Implications for biogeochemical cycling in an anoxic basin. Marine Chemistry, 2019, 209, 48-61.	0.9	7
35	Soluble, Colloidal, and Particulate Iron Across the Hydrothermal Vent Mixing Zones in Broken Spur and Rainbow, Mid-Atlantic Ridge. Frontiers in Microbiology, 2021, 12, 631885.	1.5	7
36	Differential Behavior of Metal Sulfides in Hydrothermal Plumes and Diffuse Flows. ACS Earth and Space Chemistry, 2022, 6, 1429-1442.	1.2	3

#	ARTICLE	IF	CITATIONS
37	Marmara Deniziâ€™nin GeÃ§irdiÄŸi Biyojeokimyasal DeÄŸiÅŸimler BaÄŸlamÄ±nda 2021 MÃ¼silaj PatlamasÄ±, GÃ¼ncel BasÌ§kÄ±lar ve Ã‡Ã¶zÃ¼m Ã–nerileri. , 2021, , 249-268.		2