Enrique Merino

List of Publications by Year in descending order

20 papers	919 citations	567281 15 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	810 citing authors

#	Article	IF	Citations
1	Mineral growth in rocks: kinetic-rheological models of replacement, vein formation, and syntectonic crystallization. Geochimica Et Cosmochimica Acta, 2001, 65, 3733-3748.	3.9	114
2	Terra Rossa Genesis, Implications for Karst, and Eolian Dust: A Geodynamic Thread. Journal of Geology, 2008, 116, 62-75.	1.4	107
3	Dynamic model of oscillatory zoning of trace elements in calcite: Double layer, inhibition, and self-organization. Geochimica Et Cosmochimica Acta, 1992, 56, 587-596.	3.9	90
4	Generation of evenly-spaced pressure-solution seams during (late) diagenesis: A kinetic theory. Contributions To Mineralogy and Petrology, 1983, 82, 360-370.	3.1	87
5	Three-dimensional roughness of stylolites in limestones. Journal of Geophysical Research, 2004, 109, .	3.3	82
6	Self-organizational origin of agates: Banding, fiber twisting, composition, and dynamic crystallization model. Geochimica Et Cosmochimica Acta, 1990, 54, 1627-1638.	3.9	72
7	Diagenesis in tertiary sandstones from Kettleman North Dome. Californiaâ€"II. Interstitial solutions: Distribution of aqueous species at 100Â°C and chemical relation to the diagenetic mineralogy. Geochimica Et Cosmochimica Acta, 1975, 39, 1629-1645.	3.9	62
8	Dynamic model of the genesis of calcretes replacing silicate rocks in semi-arid regions. Geochimica Et Cosmochimica Acta, 1994, 58, 5131-5145.	3.9	51
9	Implications of replacement for reactionâ€"transport modeling. Journal of Hydrology, 1998, 209, 137-146.	5.4	44
10	Aqueous-Chemical Control of the Tetrahedral-Aluminum Content of Quartz, Halloysite, and other Low-Temperature Silicates. Clays and Clay Minerals, 1989, 37, 135-142.	1.3	38
11	Free Energies of Formation of Illite Solid Solutions and their Compositional Dependence. Clays and Clay Minerals, 1982, 30, 29-39.	1.3	35
12	Dynamic weathering model: Constraints required by coupled dissolution and pseudomorphic replacement. Geochimica Et Cosmochimica Acta, 1995, 59, 1559-1570.	3.9	35
13	Terra Rossa Genesis by Replacement of Limestone by Kaolinite. III. Dynamic Quantitative Model. Journal of Geology, 2011, 119, 259-274.	1.4	26
14	Pseudomorphic replacement versus dilation in laterites: petrographic evidence, mechanisms, and consequences for modelling. Journal of Geochemical Exploration, 1996, 57, 217-225.	3.2	23
15	Internal consistency of a water analysis and uncertainty of the calculated distribution of aqueous species at 25Â°C. Geochimica Et Cosmochimica Acta, 1979, 43, 1533-1542.	3.9	19
16	Self-organized iron-oxide cementation geometry as an indicator of paleo-flows. Scientific Reports, 2015, 5, 10792.	3.3	14
17	An â€œInverse Conglomerateâ€•Paleomagnetic Test and Timing of In Situ Terra Rossa Formation at Bloomington, Indiana. Journal of Geology, 2009, 117, 126-138.	1.4	8
18	Temporal development of fabric in uniaxially stressed polycrystalline media?A theory. Contributions To Mineralogy and Petrology, 1980, 71, 429-435.	3.1	7

#	Article	IF	Citations
19	MINERAL ZONING IN SEDIMENT-HOSTED COPPER DEPOSITS. , 1985, , 237-260.		3
20	Hydrochemical factors influencing the crystallinity and composition of kaolins and other silicates, revisited. Applied Clay Science, 2016, 131, 71-73.	5.2	2