Ricardo A Olea

List of Publications by Year
in descending order

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30 papers	1,167 citations	643344 15 h-index	591227 27 g-index
46 all docs	46 docs citations	46 times ranked	1236 citing authors

#	Article	IF	Citations
1	Frequency Distribution. Encyclopedia of Earth Sciences Series, 2021, , 1-4.	0.1	0
2	Revisiting the declustering of spatial data with preferential sampling. Computers and Geosciences, 2021, 157, 104946.	2.0	3
3	Assessment of Experimental Semivariogram Uncertainty in the Presence of a Polynomial Drift. Natural Resources Research, 2020, 29, 1087-1099.	2.2	4
4	Quantifying ecospace utilization and ecosystem engineering during the early Phanerozoicâ€"The role of bioturbation and bioerosion. Science Advances, 2020, 6, eabb0618.	4.7	47
5	Advances in self-organizing maps for their application to compositional data. Stochastic Environmental Research and Risk Assessment, 2019, 33, 817-826.	1.9	8
6	Advancements in hydrochemistry mapping: methods and application to groundwater arsenic and iron concentrations in Varanasi, Uttar Pradesh, India. Stochastic Environmental Research and Risk Assessment, 2018, 32, 241-259.	1.9	23
7	Mapping of compositional properties of coal using isometric log-ratio transformation and sequential Gaussian simulation â€“ A comparative study for spatial ultimate analyses data. Journal of Geochemical Exploration, 2018, 186, 36-49.	1.5	19
8	Advances in Sensitivity Analysis of Uncertainty to Changes in Sampling Density When Modeling Spatially Correlated Attributes. , 2018, , 375-393.		2
9	Resampling of spatially correlated data with preferential sampling for the estimation of frequency distributions and semivariograms. Stochastic Environmental Research and Risk Assessment, 2017, 31, 481-491.	1.9	6
10	A Database and Probabilistic Assessment Methodology for Carbon Dioxide-enhanced Oil Recovery and Associated Carbon Dioxide Retention in the United States. Energy Procedia, 2017, 114, 7055-7059.	1.8	7
11	Calorific value and compositional ultimate analysis with a case study of a Texas lignite. International Journal of Coal Geology, 2016, 162, 27-33.	1.9	11
12	Decoupled evolution of soft and hard substrate communities during the Cambrian Explosion and Great Ordovician Biodiversification Event. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6945-6948.	3.3	77
13	Stochastic reservoir simulation for the modeling of uncertainty in coal seam degasification. Fuel, 2015, 148, 87-97.	3.4	22
14	Mapping of coal quality using stochastic simulation and isometric logratio transformation with an application to a Texas lignite. International Journal of Coal Geology, 2015, 152, 80-93.	1.9	16
15	Time-Lapse Analysis of Methane Quantity in the Mary Lee Group of Coal Seams Using Filter-Based Multiple-Point Geostatistical Simulation. Mathematical Geosciences, 2013, 45, 681-704.	1.4	8
16	Aggregation of carbon dioxide sequestration storage assessment units. Stochastic Environmental Research and Risk Assessment, 2013, 27, 1839-1859.	1.9	12
17	International Association for Mathematical Geosciences 2012 John Cedric Griffiths Teaching Award. Computers and Geosciences, 2013, 56, 221-223.	2.0	0
18	Sequential Gaussian co-simulation of rate decline parameters of longwall gob gas ventholes. International Journal of Rock Mechanics and Minings Sciences, 2013, 59, 1-14.	2.6	21

#	Article	IF	Citations
19	Sequential Simulation Approach to Modeling of Multi-seam Coal Deposits with an Application to the Assessment of a Louisiana Lignite. Natural Resources Research, 2012, 21, 443-459.	2.2	9
20	VARBOOT: A spatial bootstrap program for semivariogram uncertainty assessment. Computers and Geosciences, 2012, 41, 188-198.	2.0	15
21	Geostatistical modeling of the gas emission zone and its in-place gas content for Pittsburgh-seam mines using sequential Gaussian simulation. International Journal of Coal Geology, 2012, 90-91, 50-71.	1.9	48
22	Building on crossvalidation for increasing the quality of geostatistical modeling. Stochastic Environmental Research and Risk Assessment, 2012, 26, 73-82.	1.9	12
23	Generalized Bootstrap Method for Assessment ofÂUncertainty in Semivariogram Inference. Mathematical Geosciences, 2011, 43, 203-228.	1.4	28
24	Methodology for quantifying uncertainty in coal assessments with an application to a Texas lignite deposit. International Journal of Coal Geology, 2011, 85, 78-90.	1.9	34
25	Kolmogorovâ€“Smirnov test for spatially correlated data. Stochastic Environmental Research and Risk Assessment, 2009, 23, 749-757.	1.9	35
26	Declustering of Clustered Preferential Sampling forÂHistogram and Semivariogram Inference. Mathematical Geosciences, 2007, 39, 453-467.	0.9	34
27	A six-step practical approach to semivariogram modeling. Stochastic Environmental Research and Risk Assessment, 2006, 20, 307-318.	1.9	151
28	Geostatistics for Engineers and Earth Scientists. , 1999, , .		285
29	XVAN: A computer program for the analysis of spatial estimation errors. Computers and Geosciences, 1996, 22, 445-448.	2.0	2
30	Sampling design optimization for spatial functions. Journal of the International Association for Mathematical Geology, 1984, 16, 369-392.	0.7	164