

David A Vaccari

List of Publications by Year in descending order

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21
papers

684
citations

1163117

8
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

977
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus: A Looming Crisis. Scientific American, 2009, 300, 54-59.	1.0	219
2	The Potential Phosphorus Crisis: Resource Conservation and Possible Escape Technologies: A Review. Resources, 2018, 7, 37.	3.5	208
3	Extrapolating phosphorus production to estimate resource reserves. Chemosphere, 2011, 84, 792-797.	8.2	81
4	Global Opportunities to Increase Agricultural Independence Through Phosphorus Recycling. Earth's Future, 2019, 7, 370-383.	6.3	62
5	Demand-Driven Model for Global Phosphate Rock Suggests Paths for Phosphorus Sustainability. Environmental Science & Technology, 2019, 53, 10417-10425.	10.0	46
6	Phosphorus is a key component of the resource demands for meat, eggs, and dairy production in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4906-7.	7.1	11
7	Multivariate polynomial regression for identification of chaotic time series. Mathematical and Computer Modelling of Dynamical Systems, 2007, 13, 395-412.	2.2	10
8	A model for irreversible adsorption hysteresis. Journal of Environmental Science and Health Part A, Environmental Science and Engineering, 1988, 23, 797-822.	0.1	9
9	Modeling and simulation of compressive gravity thickening of activated sludge. Journal of Environmental Science and Health Part A, Environmental Science and Engineering, 1989, 24, 645-674.	0.1	6
10	Multivariate Polynomial Time-Series Models and Importance Ratios to Qualify Fecal Coliform Sources. Journal of Environmental Engineering, ASCE, 2010, 136, 657-665.	1.4	6
11	Exploration: What Reserves and Resources?. , 2014, , 129-151.		4
12	Non-Linear Visualization and Importance Ratio Analysis of Multivariate Polynomial Regression Ecological Models Based on River Hydromorphology and Water Quality. Water (Switzerland), 2021, 13, 2708.	2.7	4
13	Organic emissions from petroleum-contaminated soil fixed in concrete. Journal of Soil Contamination, 1996, 5, 35-52.	0.5	3
14	Adjusting Error Calculation to Account for Temporal Mismatch in Evaluating Models. Journal of Hydrologic Engineering - ASCE, 2014, 19, 1186-1193.	1.9	3
15	Empirical Dynamic Material Flow Model for Tungsten in the USA. Journal of Industrial Ecology, 2018, 22, 31-40.	5.5	3
16	Resilience of phosphorus cycling. Nature Food, 2020, 1, 329-329.	14.0	3
17	How Not to Get the Lead Out—Lead Service Line Replacement Will Not Solve Our Drinking Water Crisis. Current Pollution Reports, 2016, 2, 200-202.	6.6	2
18	Prediction of Boundary and Stormwater <i>E. Coli</i> Concentrations Using River Flows and Baseflow Index. Journal of Environmental Engineering, ASCE, 2020, 146, .	1.4	2

#	ARTICLE	IF	CITATIONS
19	Performance Tests to Modeling Future Climateâ€™vegetation Interactions in Virtual World: an Option for Application of Remote Sensed and Statistical Systems. WSEAS Transactions on Information Science and Applications, 2021, 18, 178-189.	0.3	2
20	Multivariable empirical modeling of ALS systems using polynomials. Life Support & Biosphere Science: International Journal of Earth Space, 1999, 6, 265-71.	0.1	0
21	Phosphorus Leaching Behavior from Extensive Green Roof Substrates. Journal of Sustainable Water in the Built Environment, 2022, 8, .	1.6	0