

# Matthew S Varonka

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,071  
citations

686830

13  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic substances in produced and formation water from unconventional natural gas extraction in coal and shale. <i>International Journal of Coal Geology</i> , 2014, 126, 20-31.	1.9	274
2	Catalytic C-H Amination with Unactivated Amines through Copper(II) Amides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8850-8855.	7.2	155
3	Geochemistry of formation waters from the Wolfcamp and "Cline" shales: Insights into brine origin, reservoir connectivity, and fluid flow in the Permian Basin, USA. <i>Chemical Geology</i> , 2016, 425, 76-92.	1.4	124
4	Synthesis and Structure-Activity Evaluation of Isatin- $\beta$ -thiosemicarbazones with Improved Selective Activity toward Multidrug-Resistant Cells Expressing P-Glycoprotein. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5878-5889.	2.9	101
5	Relationships between water and gas chemistry in mature coalbed methane reservoirs of the Black Warrior Basin. <i>International Journal of Coal Geology</i> , 2014, 126, 92-105.	1.9	70
6	Three-Coordinate N-Heterocyclic Carbene Nickel Nitrosyl Complexes. <i>Organometallics</i> , 2010, 29, 717-720.	1.1	52
7	Atmospheric particulate matter in proximity to mountaintop coal mines: sources and potential environmental and human health impacts. <i>Environmental Geochemistry and Health</i> , 2015, 37, 529-544.	1.8	49
8	The effect of coal bed dewatering and partial oxidation on biogenic methane potential. <i>International Journal of Coal Geology</i> , 2013, 115, 54-63.	1.9	47
9	Organic geochemistry and toxicology of a stream impacted by unconventional oil and gas wastewater disposal operations. <i>Applied Geochemistry</i> , 2017, 80, 155-167.	1.4	46
10	Enhanced coal-dependent methanogenesis coupled with algal biofuels: Potential water recycle and carbon capture. <i>International Journal of Coal Geology</i> , 2017, 171, 69-75.	1.9	36
11	Origin and geochemistry of formation waters from the lower Eagle Ford Group, Gulf Coast Basin, south central Texas. <i>Chemical Geology</i> , 2020, 550, 119754.	1.4	21
12	S-nitrosothiol and nitric oxide reactivity at $\beta$ -diketiminato zinc thiolates. <i>Inorganica Chimica Acta</i> , 2007, 360, 317-328.	1.2	20
13	<i>S</i> -Nitrosothiol and Nitric Oxide Reactivity at Zinc Thiolates. <i>Inorganic Chemistry</i> , 2009, 48, 5605-5607.	1.9	19
14	Organic compounds in produced waters from the Bakken Formation and Three Forks Formation in the Williston Basin, North Dakota. <i>Heliyon</i> , 2020, 6, e03590.	1.4	10
15	Toxicological and chemical studies of wastewater from hydraulic fracture and conventional shale gas wells. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2098-2111.	2.2	9
16	Geogenic organic contaminants in the low-rank coal-bearing Carrizo-Wilcox aquifer of East Texas, USA. <i>Hydrogeology Journal</i> , 2017, 25, 1219-1228.	0.9	8
17	In Situ Enhancement and Isotopic Labeling of Biogenic Coalbed Methane. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3225-3233.	4.6	8
18	Decadal trends of mercury cycling and bioaccumulation within Everglades National Park. <i>Science of the Total Environment</i> , 2022, 838, 156031.	3.9	7

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19	Insights on Geochemical, Isotopic, and Volumetric Compositions of Produced Water from Hydraulically Fractured Williston Basin Oil Wells. <i>Environmental Science &amp; Technology</i> , 2021, 55, 10025-10034.	4.6	4
20	Oil and Gas Wastewater Components Alter Streambed Microbial Community Structure and Function. <i>Frontiers in Microbiology</i> , 2021, 12, 752947.	1.5	4
21	Dissolved organic matter within oil and gas associated wastewaters from U.S. unconventional petroleum plays: Comparisons and consequences for disposal and reuse. <i>Science of the Total Environment</i> , 2022, 838, 156331.	3.9	4
22	Ecosystem-Scale Modeling and Field Observations of Sulfate and Methylmercury Distributions in the Florida Everglades: Responses to Reductions in Sulfate Loading. <i>Aquatic Geochemistry</i> , 2020, 26, 191-220.	1.5	2
23	Use of Tracer Elements for Estimating Community Exposure to Marcellus Shale Development Operations. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1837.	1.2	1