

# Connor E Deering

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5974672/publications.pdf>

Version: 2024-02-01

21  
papers

234  
citations

1039406

9  
h-index

996533

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

231  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Densities for Sulfur in Benzene and Densities with Solubilities for a Eutectic Mixture of Biphenyl plus Diphenyl Ether: A General Solubility Equation for the Treatment of Aromatic Physical Sulfur Solvents. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 994-1006. | 1.0  | 1         |
| 2  | Water content of liquid H <sub>2</sub> S in equilibrium with the hydrate phase. <i>Fluid Phase Equilibria</i> , 2021, 529, 112865.  | 1.4  | 4         |
| 3  | Sol-gel synthesis of 2-dimensional TiO <sub>2</sub> : self-assembly of Ti-oxoalkoxy-acetate complexes by carboxylate ligand directed condensation. <i>Faraday Discussions</i> , 2021, 227, 125-140.   | 1.6  | 7         |
| 4  | Rapid Cycling Thermal Swing Adsorption Apparatus: Commissioning and Data Analyses for Water Adsorption of Zeolites 4A and 13X Over 2000 Cycles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 7487-7494.   | 1.8  | 8         |
| 5  | High-Pressure Densities and Excess Molar Volumes for the Binary Mixture of Carbon Dioxide and Hydrogen Sulfide at $T = 343\text{--}397$ K. <i>Journal of Chemical &amp; Engineering Data</i> , 2021, 66, 4236-4247.   | 1.0  | 3         |
| 6  | Improved carbon disulfide conversion: Modification of an alumina Claus catalyst by deposition of transition metal oxides. <i>Applied Catalysis A: General</i> , 2020, 604, 117773.  | 2.2  | 20        |
| 7  | Water content and hydrate dissociation conditions for carbon dioxide rich fluid. <i>International Journal of Greenhouse Gas Control</i> , 2020, 101, 103139.  | 2.3  | 8         |
| 8  | Experimental High-Pressure Hydrogen Sulfide Partial Oxidation and Equilibrium Calculation by Gibbs Energy Minimization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 19890-19896.   | 1.8  | 1         |
| 9  | High-Pressure Volumetric Properties of Carbon Disulfide, Carbonyl Sulfide, and Hydrogen Sulfide in Propane. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 4621-4631.  | 1.0  | 1         |
| 10 | The Saturated Water Content of Liquid Propane in Equilibrium with the sll Hydrate. <i>Energies</i> , 2020, 13, 6295.  | 1.6  | 2         |
| 11 | High-Pressure Hydrogen Sulfide Experiments: How Did Our Safety Measures and Hazard Control Work during a Failure Event?. <i>Safety</i> , 2020, 6, 15.   | 0.9  | 10        |
| 12 | Improving low-temperature CS <sub>2</sub> conversion for the Claus process by using La(III)-doped nanofibrous TiO <sub>2</sub> xerogel. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 217-226.   | 10.8 | 32        |
| 13 | Sol-Gel-Derived 2D Nanostructures of Aluminum Hydroxide Acetate: Toward the Understanding of Nanostructure Formation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5141-5150.  | 1.5  | 15        |
| 14 | Volumetric properties and phase behavior of sulfur dioxide, carbon disulfide and oxygen in high-pressure carbon dioxide fluid. <i>Fluid Phase Equilibria</i> , 2018, 477, 30-39.  | 1.4  | 6         |
| 15 | Organosulfur adsorbents by self-assembly of titania based ternary metal oxide nanofibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9561-9571.   | 5.2  | 11        |
| 16 | Hydrate Decomposition Conditions for Liquid Water and Propane. <i>Journal of Chemical &amp; Engineering Data</i> , 2017, 62, 2222-2229.   | 1.0  | 12        |
| 17 | The Volumetric Properties of Carbonyl Sulfide and Carbon Dioxide Mixtures from $T = 322$ to $393$ K and $p = 2.5$ to $35$ MPa: Application to COS Hydrolysis in Subsurface Injectate Streams. <i>Journal of Chemical &amp; Engineering Data</i> , 2016, 61, 1341-1347.                | 1.0  | 13        |
| 18 | The partial molar volumes for water dissolved in high-pressure carbon dioxide from $T = (318.28 \text{ to } T_j) \text{ ETQq0 0 0 rgBT/Overlock 10 Tf 50}$  | 1.0  | 19        |

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|----|--|-----|-----------|
| 19 | Phase Equilibrium Data and Model Comparisons for H <sub>2</sub> S Hydrates. Journal of Chemical & Engineering Data, 2015, 60, 403-408.     | 1.0 | 49        |
| 20 | Interactions of protamine with the marine bacterium, Pseudoalteromonas sp. NCIMB 2021. Letters in Applied Microbiology, 2014, 58, 225-230. | 1.0 | 3         |
| 21 | Hydrogen Sulfide Hydrate Dissociation in the Presence of Liquid Water. Industrial & Engineering Chemistry Research, 0, , .                 | 1.8 | 9         |