

# Sophia M Charan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3364567/publications.pdf>

Version: 2024-02-01

11  
papers

333  
citations

1040056

9  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

659  
citing authors

#	ARTICLE	IF	CITATIONS
1	Secondary organic aerosol formation from the oxidation of decamethylcyclopentasiloxane at atmospherically relevant OH concentrations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 917-928.	4.9	9
2	The societal benefits of vehicle connectivity. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 93, 102750.	6.8	6
3	Characterization of Aerosol Hygroscopicity Over the Northeast Pacific Ocean: Impacts on Prediction of CCN and Stratocumulus Cloud Droplet Number Concentrations. <i>Earth and Space Science</i> , 2020, 7, e2020EA001098.	2.6	15
4	Secondary organic aerosol yields from the oxidation of benzyl alcohol. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13167-13190.	4.9	11
5	Low-volatility compounds contribute significantly to isoprene secondary organic aerosol (SOA) under high-NO <sub>x</sub> conditions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7255-7278.	4.9	46
6	Computational Simulation of Secondary Organic Aerosol Formation in Laboratory Chambers. <i>Chemical Reviews</i> , 2019, 119, 11912-11944.	47.7	27
7	Computational simulation of the dynamics of secondary organic aerosol formation in an environmental chamber. <i>Aerosol Science and Technology</i> , 2018, 52, 470-482.	3.1	13
8	Unified Theory of Vapor–Wall Mass Transport in Teflon-Walled Environmental Chambers. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2134-2142.	10.0	52
9	Advances in offline approaches for chemically speciated measurements of trace gas-phase organic compounds via adsorbent tubes in an integrated sampling-to-analysis system. <i>Journal of Chromatography A</i> , 2018, 1575, 80-90.	3.7	24
10	Effect of particle charge on aerosol dynamics in Teflon environmental chambers. <i>Aerosol Science and Technology</i> , 2018, 52, 854-871.	3.1	22
11	Transferable Potentials for Phase Equilibria—United Atom Description of Five- and Six-Membered Cyclic Alkanes and Ethers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 11234-11246.	2.6	106