

# Seunghyun Hong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

1,243  
citations

11  
h-index

14  
g-index

14  
ext. papers

1,761  
ext. citations

14.6  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
13	Muscle Fatigue Sensor Based on Ti C T MXene Hydrogel.. <i>Small Methods</i> , <b>2021</b> , 5, e2100819	12.8	5
12	Designing a next generation solar crystallizer for real seawater brine treatment with zero liquid discharge. <i>Nature Communications</i> , <b>2021</b> , 12, 998	17.4	42
11	Photovoltaic panel cooling by atmospheric water sorption–evaporation cycle. <i>Nature Sustainability</i> , <b>2020</b> , 3, 636-643	22.1	57
10	Photothermoelectric Response of TiCT MXene Confined Ion Channels. <i>ACS Nano</i> , <b>2020</b> , 14, 9042-9049	16.7	25
9	Ultrathin graphene oxide membrane with constructed tent-shaped structures for efficient and tunable molecular sieving. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 2373-2384	7.1	3
8	Janus Graphene Oxide-Doped, Lamellar Composite Membranes with Strong Aqueous Stability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7252-7259	8.3	16
7	Two-Dimensional TiCT MXene Membranes as Nanofluidic Osmotic Power Generators. <i>ACS Nano</i> , <b>2019</b> , 13, 8917-8925	16.7	117
6	Simultaneous production of fresh water and electricity via multistage solar photovoltaic membrane distillation. <i>Nature Communications</i> , <b>2019</b> , 10, 3012	17.4	129
5	A 3D Photothermal Structure toward Improved Energy Efficiency in Solar Steam Generation. <i>Joule</i> , <b>2018</b> , 2, 1171-1186	27.8	321
4	A highly flexible and washable nonwoven photothermal cloth for efficient and practical solar steam generation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 7942-7949	13	118
3	Nature-Inspired, 3D Origami Solar Steam Generator toward Near Full Utilization of Solar Energy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28517-28524	9.5	150
2	Solar Evaporator with Controlled Salt Precipitation for Zero Liquid Discharge Desalination. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 11822-11830	10.3	136
1	Scalable Graphene-Based Membranes for Ionic Sieving with Ultrahigh Charge Selectivity. <i>Nano Letters</i> , <b>2017</b> , 17, 728-732	11.5	121