

# Sabine Abb

## List of Publications by Year in descending order

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14  
papers

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citations

840585

11  
h-index

1125617

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional honeycomb network through sequence-controlled self-assembly of oligopeptides. <i>Nature Communications</i> , 2016, 7, 10335.	5.8	59
2	Exploring the Molecular Conformation Space by Soft Molecule–Surface Collision. <i>Journal of the American Chemical Society</i> , 2020, 142, 21420-21427.	6.6	41
3	Two-Dimensional Folding of Polypeptides into Molecular Nanostructures at Surfaces. <i>ACS Nano</i> , 2017, 11, 2420-2427.	7.3	35
4	Chemical Modification of Graphene via Hyperthermal Molecular Reaction. <i>Journal of the American Chemical Society</i> , 2014, 136, 13482-13485.	6.6	30
5	Carbohydrate Self-Assembly at Surfaces: STM Imaging of Sucrose Conformation and Ordering on Cu(100). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8336-8340.	7.2	29
6	Identifying the origin of local flexibility in a carbohydrate polymer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	27
7	Fast Molecular Compression by a Hyperthermal Collision Gives Bond-Selective Mechanochemistry. <i>Physical Review Letters</i> , 2021, 126, 056001.	2.9	22
8	Substrate-Selective Morphology of Cesium Iodide Clusters on Graphene. <i>ACS Nano</i> , 2020, 14, 4626-4635.	7.3	20
9	Polymorphism in carbohydrate self-assembly at surfaces: STM imaging and theoretical modelling of trehalose on Cu(100). <i>RSC Advances</i> , 2019, 9, 35813-35819.	1.7	15
10	Low-energy electron holography imaging of conformational variability of single-antibody molecules from electrospray ion beam deposition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
11	Chemical Analysis of Complex Surface-Adsorbed Molecules and Their Reactions by Means of Cluster-Induced Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 3328-3334.	3.2	13
12	Carbohydrate Self-Assembly at Surfaces: STM Imaging of Sucrose Conformation and Ordering on Cu(100). <i>Angewandte Chemie</i> , 2019, 131, 8424-8428.	1.6	12
13	Catalyzing Bond-Dissociation in Graphene via Alkali-Iodide Molecules. <i>Small</i> , 2021, 17, e2102037.	5.2	1
14	Carbohydrate Self-Assembly at Surfaces: STM Imaging of Sucrose Conformation and Ordering on Cu(100). <i>Angewandte Chemie</i> , 2019, 131, 8686.	1.6	0