

# Stefan Schumacher

## List of Publications by Year in descending order

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14  
papers

457  
citations

840585

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h-index

1058333

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docs citations

15  
times ranked

692  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Backside of Graphene: Manipulating Adsorption by Intercalation. Nano Letters, 2013, 13, 5013-5019.	4.5	74
2	Europium underneath graphene on Ir(111): Intercalation mechanism, magnetism, and band structure. Physical Review B, 2014, 90, .	1.1	67
3	Strain in Epitaxial Graphene Visualized by Intercalation. Physical Review Letters, 2013, 110, 086111.	2.9	50
4	Tuning the van der Waals Interaction of Graphene with Molecules via Doping. Physical Review Letters, 2015, 115, 236101.	2.9	48
5	Testing of an Indoor Air Cleaner for Particulate Pollutants under Realistic Conditions in an Office Room. Aerosol and Air Quality Research, 2019, 19, 1655-1665.	0.9	46
6	Phase coexistence of clusters and islands: europium on graphene. New Journal of Physics, 2012, 14, 023022.	1.2	42
7	Numerical and experimental study of submicron aerosol deposition in electret microfiber nonwovens. Journal of Aerosol Science, 2018, 122, 32-44.	1.8	34
8	Evaluation of electrostatic properties of electret filters for aerosol deposition. Separation and Purification Technology, 2020, 239, 116548.	3.9	30
9	Performance of New and Artificially Aged Electret Filters in Indoor Air Cleaners. Chemical Engineering and Technology, 2018, 41, 27-34.	0.9	20
10	Particle sampling in boilers of waste incineration plants for characterizing corrosion relevant species. Corrosion Science, 2016, 110, 82-90.	3.0	15
11	Ageing of electret filter media due to deposition of submicron particles – Experimental and numerical investigations. Separation and Purification Technology, 2020, 251, 117299.	3.9	15
12	Electret Filters – From the Influence of Discharging Methods to Optimization Potential. Atmosphere, 2021, 12, 65.	1.0	8
13	Polar EuO(111) on Ir(111): A two-dimensional oxide. Physical Review B, 2014, 89, .	1.1	6
14	An artifact-minimizing method for total dust sampling and chemical characterization of industrial high-temperature aerosols. Aerosol Science and Technology, 2017, 51, 1047-1056.	1.5	2