Nikolai Strohfeldt

List of Publications by Year
in descending order

13	791	933447 10	1199594 12
papers	citations	h-index	g-index

13	13	13	1423
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermodynamics of the hybrid interaction of hydrogen with palladium nanoparticles. Nature Materials, 2016, 15, 311-317.	27.5	170
2	Magnesium as Novel Material for Active Plasmonics in the Visible Wavelength Range. Nano Letters, 2015, 15, 7949-7955.	9.1	162
3	Nonlinear Refractory Plasmonics with Titanium Nitride Nanoantennas. Nano Letters, 2016, 16, 5708-5713.	9.1	115
4	Yttrium Hydride Nanoantennas for Active Plasmonics. Nano Letters, 2014, 14, 1140-1147.	9.1	86
5	Large-Area Low-Cost Plasmonic Perfect Absorber Chemical Sensor Fabricated by Laser Interference Lithography. ACS Sensors, 2016, 1, 1148-1154.	7.8	64
6	Low-Cost Hydrogen Sensor in the ppm Range with Purely Optical Readout. ACS Sensors, 2020, 5, 978-983.	7.8	43
7	Design Principles for Sensitivity Optimization in Plasmonic Hydrogen Sensors. ACS Sensors, 2020, 5, 917-927.	7.8	39
8	Nanoscale Hydrogenography on Single Magnesium Nanoparticles. Nano Letters, 2018, 18, 4293-4302.	9.1	35
9	Single Plasmonic Oligomer Chiral Spectroscopy. Advanced Optical Materials, 2018, 6, 1800087.	7.3	29
10	Niobium as Alternative Material for Refractory and Active Plasmonics. ACS Photonics, 2018, 5, 3298-3304.	6.6	27
11	Mathematical Modeling of a Plasmonic Palladium-Based Hydrogen Sensor. IEEE Sensors Journal, 2018, 18, 1946-1959.	4.7	10
12	Optical Carbon Dioxide Detection in the Visible Down to the Single Digit ppm Range Using Plasmonic Perfect Absorbers. ACS Sensors, 2020, 5, 2628-2635.	7.8	10
13	Modeling of pressure-composition isotherms and diffusion dynamics of a plasmonic palladium sensor for hydrogen detection. , 2017, , .		1