

# B S Kim

## List of Publications by Year in descending order

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11  
papers

400  
citations

1684188

5  
h-index

1372567

10  
g-index

11  
all docs

11  
docs citations

11  
times ranked

839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Enhanced Photoactivity of Anatase TiO <sub>2</sub> Nanocrystals by Controlled Hydrogenation-Induced Surface Defects. ACS Catalysis, 2013, 3, 2479-2486.	11.2	334
2	The effect of oxygen vacancies on the binding interactions of NH <sub>3</sub> with rutile TiO <sub>2</sub> (110)-1 Å <sup>-1</sup> . Physical Chemistry Chemical Physics, 2012, 14, 15060.	2.8	15
3	Unexpected Nondissociative Binding of N <sub>2</sub> O on Oxygen Vacancies on a Rutile TiO <sub>2</sub> (110)-1 Å <sup>-1</sup> . Journal of Physical Chemistry C, 2012, 116, 1145-1150.	3.1	15
4	Low-Temperature Desorption of N <sub>2</sub> O from NO on Rutile TiO <sub>2</sub> (110)-1 Å <sup>-1</sup> . Journal of Physical Chemistry C, 2014, 118, 9544-9550.	3.1	8
5	Ammonia Formation from NO Reaction with Surface Hydroxyls on Rutile TiO <sub>2</sub> (110)-1 Å <sup>-1</sup> . Journal of Physical Chemistry C, 2015, 119, 1130-1135.	3.1	6
6	Temperature-programmed desorption study of NO reactions on rutile TiO <sub>2</sub> (110)-1 Å <sup>-1</sup> . Surface Science, 2016, 652, 148-155.	1.9	6
7	A passive mitigation strategy of impurity deposition on the first mirrors using duct with baffles: A case study at a port of KSTAR with in-situ deposition monitoring. Fusion Engineering and Design, 2018, 129, 269-276.	1.9	6
8	VUV spectroscopy in impurity injection experiments at KSTAR using prototype ITER VUV spectrometer. Review of Scientific Instruments, 2017, 88, 083511.	1.3	5
9	Suppression of Ag deposition by Ar gas in mtorr range and its implication to mitigation of impurity deposition on first mirrors. Current Applied Physics, 2015, 15, 1615-1619.	2.4	3
10	Experimental evaluation of the gas-phase collision cross-section of effusive Au beam with noble gases: The effect of size and flux. Current Applied Physics, 2014, 14, 543-546.	2.4	2
11	Data acquisition and monitoring system for KSTAR VUV spectrometer systems. Fusion Engineering and Design, 2022, 175, 112992.	1.9	0