

# Eui-Seong Moon

## List of Publications by Year in descending order

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13  
papers

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citations

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#	ARTICLE	IF	CITATIONS
1	FORMATION OF GLYCINE ON ULTRAVIOLET-IRRADIATED INTERSTELLAR ICE-ANALOG FILMS AND IMPLICATIONS FOR INTERSTELLAR AMINO ACIDS. <i>Astrophysical Journal</i> , 2009, 697, 428-435.	4.5	66
2	Some fundamental properties and reactions of ice surfaces at low temperatures. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12000.	2.8	59
3	DIRECT EVIDENCE FOR AMMONIUM ION FORMATION IN ICE THROUGH ULTRAVIOLET-INDUCED ACID-BASE REACTION OF NH <sub>3</sub> WITH H <sub>3</sub> O <sup>+</sup> . <i>Astrophysical Journal</i> , 2010, 713, 906-911.	4.5	34
4	Generation of strong electric fields in an ice film capacitor. <i>Journal of Chemical Physics</i> , 2013, 139, 074201.	3.0	34
5	Proton mobility in thin ice films: a revisit. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 4814.	2.8	27
6	Energy barrier of proton transfer at ice surfaces. <i>Journal of Chemical Physics</i> , 2010, 133, 044709.	3.0	25
7	Asymmetric Transport Efficiencies of Positive and Negative Ion Defects in Amorphous Ice. <i>Physical Review Letters</i> , 2012, 108, 226103.	7.8	25
8	Acid-Base Chemistry at the Ice Surface: Reverse Correlation Between Intrinsic Basicity and Proton Transfer Efficiency to Ammonia and Methyl Amines. <i>ChemPhysChem</i> , 2007, 8, 2520-2525.	2.1	19
9	Acidic Water Monolayer on Ruthenium(0001). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12806-12809.	13.8	15
10	UV-induced protonation of molecules adsorbed on ice surfaces at low temperature. <i>Journal of Chemical Physics</i> , 2008, 128, 191101.	3.0	13
11	Metastable hydronium ions in UV-irradiated ice. <i>Journal of Chemical Physics</i> , 2012, 137, 204704.	3.0	9
12	Spectroscopic Monitoring of the Acidity of Water Films on Ru(0001): Orientation-Specific Acidity of Adsorbed Water. <i>Chemistry - A European Journal</i> , 2014, 20, 3376-3383.	3.3	6
13	Electrophilic Addition Reaction of Ethene with Hydrogen Chloride on Cold Molecular Films: Evidence of Ethyl Cationic Intermediate. <i>Chemistry - an Asian Journal</i> , 2011, 6, 938-944.	3.3	2