

# Joonyeong Kim

## List of Publications by Year in descending order

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37  
papers

1,755  
citations

331670

21  
h-index

361022

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Packing of Lysozyme, Fibrinogen, and Bovine Serum Albumin on Hydrophilic and Hydrophobic Surfaces Studied by Infrared-Visible Sum Frequency Generation and Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 3150-3158.	13.7	308
2	Formation, structure, and reactivity of amino-terminated organic films on silicon substrates. <i>Journal of Colloid and Interface Science</i> , 2009, 329, 114-119.	9.4	257
3	Investigations of Water Structure at the Solid/Liquid Interface in the Presence of Supported Lipid Bilayers by Vibrational Sum Frequency Spectroscopy. <i>Langmuir</i> , 2001, 17, 7255-7260.	3.5	146
4	Investigations of Chemical Modifications of Amino-Terminated Organic Films on Silicon Substrates and Controlled Protein Immobilization. <i>Langmuir</i> , 2010, 26, 2599-2608.	3.5	113
5	IR-Visible SFG Investigations of Interfacial Water Structure upon Polyelectrolyte Adsorption at the Solid/Liquid Interface. <i>Journal of the American Chemical Society</i> , 2000, 122, 12371-12372.	13.7	95
6	Investigations of Lysozyme Adsorption at the Air/Water and Quartz/Water Interfaces by Vibrational Sum Frequency Spectroscopy. <i>Langmuir</i> , 2002, 18, 2807-2811.	3.5	86
7	Elucidating Changes in Interfacial Water Structure upon Protein Adsorption. <i>ChemPhysChem</i> , 2001, 2, 543-546.	2.1	79
8	Investigations of Polyelectrolyte Adsorption at the Solid/Liquid Interface by Sum Frequency Spectroscopy: Evidence for Long-Range Macromolecular Alignment at Highly Charged Quartz/Water Interfaces. <i>Journal of the American Chemical Society</i> , 2002, 124, 8751-8756.	13.7	67
9	Investigations of the effect of curing conditions on the structure and stability of amino-functionalized organic films on silicon substrates by Fourier transform infrared spectroscopy, ellipsometry, and fluorescence microscopy. <i>Surface Science</i> , 2008, 602, 3323-3330.	1.9	64
10	Structure and Dynamics of Acetonitrile at the Air/Liquid Interface of Binary Solutions Studied by Infrared-Visible Sum Frequency Generation. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1592-1596.	2.6	56
11	Synthesis and Structures of New Ternary Aluminum Chalcogenides: $\text{LiAlSe}_2$ , $\text{LiAlTe}_2$ , and $\text{Li}_2\text{AlTe}_2$ . <i>Inorganic Chemistry</i> , 2000, 39, 3092-3097.	4.0	50
12	An in Situ Time-Dependent Study of CO Oxidation on Pt(111) in Aqueous Solution by Voltammetry and Sum Frequency Generation. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1840-1844.	2.6	50
13	Curing Induced Structural Reorganization and Enhanced Reactivity of Amino-Terminated Organic Thin Films on Solid Substrates: Observations of Two Types of Chemically and Structurally Unique Amino Groups on the Surface. <i>Langmuir</i> , 2011, 27, 5171-5175.	3.5	37
14	Synthesis and Structures of Ternary Chalcogenides of Aluminum and Gallium with Stacking Faults: $\text{KM}_2\text{Q}$ ( $\text{M}=\text{Al, Ga}$ ; $\text{Q}=\text{Se, Te}$ ). <i>Journal of Solid State Chemistry</i> , 2000, 149, 242-251.	2.9	32
15	Detection of Immobilized Protein on Latex Microspheres by IR-Visible Sum Frequency Generation and Scanning Force Microscopy. <i>Langmuir</i> , 2003, 19, 3563-3566.	3.5	31
16	Surface Structural Characterization of Protein- and Polymer-Modified Polystyrene Microspheres by Infrared-Visible Sum Frequency Generation Vibrational Spectroscopy and Scanning Force Microscopy. <i>Langmuir</i> , 2004, 20, 4640-4646.	3.5	31
17	Characterization of polymer surface structure and surface mechanical behaviour by sum frequency generation surface vibrational spectroscopy and atomic force microscopy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, R659-R677.	1.8	28
18	Vibrational spectroscopy of carbon monoxide, acetonitrile, and phenylalanine adsorbed on liquid $\text{Hg}$ electrode interfaces by sum frequency generation. <i>Journal of Electroanalytical Chemistry</i> , 2003, 554-555, 253-263.	3.8	26

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19	Investigations of the Potential-Dependent Structure of Phenylalanine on the Glassy Carbon Electrode by Infrared-Visible Sum Frequency Generation. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9198-9200.	2.6	24
20	Hydrophobic-Interaction-Induced Alignment of Polymers at the Solid/Liquid Interface Studied by Infrared-Visible Sum Frequency Generation. <i>Langmuir</i> , 2003, 19, 9551-9553.	3.5	23
21	Synthesis and Structures of New Layered Ternary Manganese Selenides: $AMnSe_2$ ( $A=Li, Na, K, Rb, Cs$ ) and $Na_2Mn_2Se_3$ . <i>Journal of Solid State Chemistry</i> , 1999, 146, 217-225.	2.9	22
22	Synthesis and Structures of New Layered Ternary Manganese Tellurides: $AMnTe_2$ ( $A = K, Rb, Cs$ ), $Na_3Mn_4Te_6$ , and $NaMn_{1.56}Te_2$ . <i>Inorganic Chemistry</i> , 1999, 38, 235-242.	4.0	22
23	Synthesis and Structures of New Layered Ternary Manganese Tellurides: $AMnTe_2$ ( $A = Li, Na$ ). <i>Inorganic Chemistry</i> , 1998, 37, 1428-1429.	4.0	16
24	Molecular composition and mechanical properties of biopolymer interfaces studied by sum frequency generation vibrational spectroscopy and atomic force microscopy. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 475-509.	3.5	16
25	Adsorption of hydrocarbons commonly found in gasoline residues on household materials studied by inverse gas chromatography. <i>Journal of Chromatography A</i> , 2019, 1594, 149-159.	3.7	15
26	Measurements of water sorption enthalpy on polymer surfaces and its effect on protein adsorption. <i>Surface Science</i> , 2011, 605, 419-423.	1.9	13
27	Detection of Gasoline Residues Present in Household Materials Via Headspace-solid Phase Microextraction and Gas Chromatography-mass Spectrometry. <i>Journal of Analytical Chemistry</i> , 2020, 75, 44-55.	0.9	10
28	Quantitative chemical analysis of volatile compounds via headspace-solid phase microextraction (HS-SPME) coupled with inverse gas chromatography (IGC). <i>Forensic Chemistry</i> , 2018, 11, 7-14.	2.8	9
29	Rearrangement of Host Layers upon the Insertion of Organic Cations: Synthesis and Structure of $(CH_3NH_3)MnTe_2$ . <i>Chemistry of Materials</i> , 2002, 14, 9-11.	6.7	7
30	Investigation of sorption and diffusion of hydrocarbons into polydimethylsiloxane in the headspace-solid phase microextraction sampling process via inverse gas chromatography. <i>Journal of Chromatography A</i> , 2021, 1639, 461894.	3.7	6
31	Observation and quantification of self-associated adenosine extracted from royal jelly products purchased in USA by HPLC. <i>Food Chemistry</i> , 2011, 126, 347-352.	8.2	5
32	Direct and indirect preparation of layered quaternary manganese tellurides; $AMn_xMyTe_2$ ( $A=Li, Na$ ); $Tj ETQq_0 0 0 rgBT /Overlock 10 Tf 5$	9.5	4
33	Formation, Structure, and Reactivity of Amino-Terminated Organic Films on Silicon Substrates. <i>ACS Symposium Series</i> , 2011, , 141-165.	0.5	3
34	Estimation of the area under a curve via several B-spline-based regression methods and applications. <i>Journal of Biopharmaceutical Statistics</i> , 2020, 30, 704-720.	0.8	2
35	Characterization of Surface Properties and Hydrocarbon Adsorption of Torrefied Cardboard via Inverse Gas Chromatography and Complementary Analytical Techniques. <i>Chromatographia</i> , 2021, 84, 875-887.	1.3	1
36	Synthesis and Structure of Novel Ternary Manganese Tellurides: $MMnTe_2$ ( $M = Li, Na$ ), $Na_3Mn_4Te_6$ , and $Na_3Mn_4.7Te_6$ . <i>Materials Research Society Symposia Proceedings</i> , 1996, 453, 23.	0.1	0

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37	Measurements of relative distribution constants of vaporized hydrocarbons between air and polydimethylsiloxane via capillary columns for the calculation of headspace hydrocarbon compositions. <i>Journal of Chromatography A</i> , 2020, 1627, 461405.	3.7	0