

Ivan Gladich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

663
citations

15
h-index

25
g-index

38
ext. papers

786
ext. citations

6.3
avg, IF

3.67
L-index

#	Paper	IF	Citations
35	Liquid-Gas Interface of Iron Aqueous Solutions and Fenton Reagents.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2994-3001	6.4	3
34	Computational Evolution Protocol for Peptide Design.. <i>Methods in Molecular Biology</i> , 2022 , 2405, 335-359	2.4	1
33	A surface-promoted redox reaction occurs spontaneously on solvating inorganic aerosol surfaces. <i>Science</i> , 2021 , 374, 747-752	33.3	6
32	Molecular Dynamics of Ice, Ice Surfaces and Impurities on Ice 2021 , 173-257		
31	Stability of a Monoethanolamine-CO Zwitterion at the Vapor/Liquid Water Interface: Implications for Low Partial Pressure Carbon Capture Technologies. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 4890-4897	2.4	2
30	Adsorption and isomerization of glyoxal and methylglyoxal at the air/hydroxylated silica surface. <i>Journal of Chemical Physics</i> , 2020 , 152, 164702	3.9	1
29	Hydration, Solvation, and Isomerization of Methylglyoxal at the Air/Water Interface: New Mechanistic Pathways. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5574-5582	16.4	13
28	Tuning CO Capture at the Gas/Amine Solution Interface by Changing the Solvent Polarity. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 10245-10256	3.4	5
27	Solvation and Stabilization of Single-Strand RNA at the Air/Ice Interface Support a Primordial RNA World on Ice. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18587-18594	3.8	1
26	Surface Propensity of Aqueous Atmospheric Bromine at the Liquid-Gas Interface. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3422-3429	6.4	13
25	Tuning the Stereoselectivity and Solvation Selectivity at Interfacial and Bulk Environments by Changing Solvent Polarity: Isomerization of Glyoxal in Different Solvent Environments. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5535-5543	16.4	17
24	Simulating global horizontal irradiance in the Arabian Peninsula: Sensitivity to explicit treatment of aerosols. <i>Solar Energy</i> , 2018 , 163, 347-355	6.8	15
23	Peptide biosensors for anticancer drugs: Design in silico to work in denaturing environment. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 298-303	11.8	15
22	Vertical Ozone Concentration Profiles in the Arabian Gulf Region during Summer and Winter: Sensitivity of WRF-Chem to Planetary Boundary Layer Schemes. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 1183-1197	4.6	9
21	A surface-stabilized ozonide triggers bromide oxidation at the aqueous solution-vapour interface. <i>Nature Communications</i> , 2017 , 8, 700	17.4	39
20	Interfaces Select Specific Stereochemical Conformations: The Isomerization of Glyoxal at the Liquid Water Interface. <i>Journal of the American Chemical Society</i> , 2017 , 139, 27-30	16.4	23
19	Impact of atmospheric dust emission schemes on dust production and concentration over the Arabian Peninsula. <i>Modeling Earth Systems and Environment</i> , 2016 , 2, 1	3.2	19

18	A quasi-liquid mediated continuum model of faceted ice dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,035-14,055	4.4	6
17	In Silico Design of Short Peptides as Sensing Elements for Phenolic Compounds. <i>ACS Sensors</i> , 2016 , 1, 279-286	9.2	11
16	Protein-protein structure prediction by scoring molecular dynamics trajectories of putative poses. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016 , 84, 1312-20	4.2	9
15	Hydrogen bonding and orientation effects on the accommodation of methylamine at the air-water interface. <i>Journal of Chemical Physics</i> , 2016 , 144, 214701	3.9	27
14	Designing High-Affinity Peptides for Organic Molecules by Explicit Solvent Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12963-9	3.4	14
13	Mechanism of anisotropic surface self-diffusivity at the prismatic ice-vapor interface. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 22947-58	3.6	6
12	Ab initio study of the reaction of ozone with bromide ion. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4482-8	2.8	11
11	Adsorption, mobility, and self-association of naphthalene and 1-methylnaphthalene at the water-vapor interface. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1052-66	2.8	19
10	Spectroscopic properties of benzene at the air-ice interface: a combined experimental-computational approach. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 7535-47	2.8	23
9	A review of air-ice chemical and physical interactions (AICI): liquids, quasi-liquids, and solids in snow. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1587-1633	6.8	185
8	Comparison of selected polarizable and nonpolarizable water models in molecular dynamics simulations of ice I(h). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 11371-85	3.6	21
7	On the diurnal cycle of deep moist convection in the southern side of the Alps analysed through cloud-to-ground lightning activity. <i>Atmospheric Research</i> , 2011 , 100, 371-376	5.4	10
6	Arrhenius analysis of anisotropic surface self-diffusion on the prismatic facet of ice. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 19960-9	3.6	26
5	The ice-vapor interface and the melting point of ice I(h) for the polarizable POL3 water model. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 5973-82	2.8	18
4	Self-organization of 1-methylnaphthalene on the surface of artificial snow grains: a combined experimental-computational approach. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 11412-22	2.8	38
3	Halide affinity for the water-air interface in aqueous solutions of mixtures of sodium salts. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 5895-9	2.8	25
2	Negative heat capacity of small systems in the microcanonical ensemble. <i>Europhysics Letters</i> , 2010 , 90, 63001	1.6	13
1	Halide and sodium ion parameters for modeling aqueous solutions in TIP5P-Ew water. <i>Chemical Physics Letters</i> , 2010 , 489, 113-117	2.5	15

