

Victor R Vasquez

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.

30
papers

645
citations

12
h-index

25
g-index

30
ext. papers

713
ext. citations

4.7
avg, IF

4.06
L-index

#	Paper	IF	Citations
30	Predicting the size of salt-containing aqueous Na-AOT reverse micellar water-in-oil microemulsions with consideration for specific ion effects. <i>Journal of Colloid and Interface Science</i> , 2021 , 586, 830-835	9.3	4
29	Predicting Destabilization in Salt-Containing Aqueous Reverse Micellar Colloidal Systems. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 2223-2232	3.2	2
28	Phase Stability and Miscibility in Ethanol/AOT/-Heptane Systems: Evidence of Multilayered Cylindrical and Spherical Microemulsion Morphologies. <i>Langmuir</i> , 2020 , 36, 11274-11283	4	4
27	Metal Hexaboride Work Functions: Surface Configurations and the Electrical Double Layer from First-Principles. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800074	6.4	5
26	Phase Stability Analysis of Ternary Alkaline-Earth Hexaborides: Insights from DFT Calculations. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 105-112	4	2
25	Interaction of Hydrogen with MB (M = Ba, Ca, La, and Sr) Surfaces from First Principles. <i>ACS Omega</i> , 2019 , 4, 65-72	3.9	2
24	Surface termination analysis of stoichiometric metal hexaborides: Insights from first-principles and XPS measurements. <i>Acta Materialia</i> , 2018 , 144, 187-201	8.4	16
23	Life cycle analysis of geothermal energy for power and transportation: A stochastic approach. <i>Renewable Energy</i> , 2018 , 115, 371-381	8.1	24
22	Esterification Kinetics of Phosphotungstic Acid Loaded KIT-5 Catalyzed Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14948-14956	3.9	2
21	Nanodomains and local structure in ternary alkaline-earth hexaborides. <i>Journal of Applied Crystallography</i> , 2018 , 51, 1445-1454	3.8	4
20	Phase Stability of Mixed-Cation Alkaline-Earth Hexaborides. <i>Crystal Growth and Design</i> , 2017 , 17, 3450-3461	3.5	19
19	Effect of Current on Diffusivity in Metal Hexaborides: A Spark Plasma Sintering Study. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37357-37363	9.5	18
18	A generalized method for the inversion of cohesive energy curves from isotropic and anisotropic lattice expansions. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 23423-37	3.6	4
17	Interatomic pair potentials from DFT and molecular dynamics for Ca, Ba, and Sr hexaborides. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8649-8658	7.1	12
16	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2015 , 5, 173-181	2.3	80
15	Ab Initio and Molecular Dynamics-Based Pair Potentials for Lanthanum Hexaboride. <i>Journal of Physical Chemistry C</i> , 2015 , 150611093731000	3.8	9
14	Ionic concentration effects on reverse micelle size and stability: implications for the synthesis of nanoparticles. <i>Langmuir</i> , 2012 , 28, 9267-74	4	63

13	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. <i>Fuel</i> , 2012 , 99, 271-273	7.1	70
12	Pelletization of biochar from hydrothermally carbonized wood. <i>Environmental Progress and Sustainable Energy</i> , 2012 , 31, 225-234	2.5	121
11	Stability and comparative analysis of AOT/water/isooctane reverse micelle system using dynamic light scattering and molecular dynamics. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 2979-87	3.4	65
10	Confidence interval estimation under the presence of non-Gaussian random errors: Applications to uncertainty analysis of chemical processes and simulation. <i>Computers and Chemical Engineering</i> , 2010 , 34, 298-305	4	6
9	A simple model for vapor-moisture equilibrium in biomass substrates. <i>AIChE Journal</i> , 2009 , 55, 1595-1603	3.6	12
8	Helical structures from an isotropic homopolymer model. <i>Physical Review Letters</i> , 2006 , 96, 207802	7.4	41
7	Viscosity of pure supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2005 , 36, 106-117	4.2	16
6	Robustness of Nonlinear Regression Methods under Uncertainty: Applications in Chemical Kinetics Models. <i>Industrial & Engineering Chemistry Research</i> , 2004 , 43, 1395-1404	3.9	4
5	Uncertainty and sensitivity analysis of thermodynamic models using equal probability sampling (EPS). <i>Computers and Chemical Engineering</i> , 2000 , 23, 1825-1838	4	12
4	Effect of regression approach in the estimation of nonlinear model parameters on process design and simulation: applications to kinetic and thermodynamic models. <i>Computers and Chemical Engineering</i> , 2000 , 24, 1269-1274	4	4
3	Uncertainty of predicted process performance due to variations in thermodynamics model parameter estimation from different experimental data sets. <i>Fluid Phase Equilibria</i> , 1998 , 142, 115-130	2.5	9
2	Surface Active Behavior of Hopanoid Lipids: Bacteriohopanetetrol and Phenylacetate Monoester Bacteriohopanetetrol. <i>Langmuir</i> , 1998 , 14, 4261-4265	4	9
1	Effect of Data Type on Thermodynamic Model Parameter Estimation: A Monte Carlo Approach. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 1122-1129	3.9	6