

Victor R Vasquez

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5556353/victor-r-vasquez-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Pelletization of biochar from hydrothermally carbonized wood. <i>Environmental Progress and Sustainable Energy</i> , 2012 , 31, 225-234	2.5	121
29	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2015 , 5, 173-181	2.3	80
28	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. <i>Fuel</i> , 2012 , 99, 271-273	7.1	70
27	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
26	Ionic concentration effects on reverse micelle size and stability: implications for the synthesis of nanoparticles. <i>Langmuir</i> , 2012 , 28, 9267-74	4	63
25	Helical structures from an isotropic homopolymer model. <i>Physical Review Letters</i> , 2006 , 96, 207802	7.4	41
24	Life cycle analysis of geothermal energy for power and transportation: A stochastic approach. <i>Renewable Energy</i> , 2018 , 115, 371-381	8.1	24
23	Phase Stability of Mixed-Cation Alkaline-Earth Hexaborides. <i>Crystal Growth and Design</i> , 2017 , 17, 3450-3461	3.6	19
22	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
21	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
20	Viscosity of pure supercritical fluids. <i>Journal of Supercritical Fluids</i> , 2005 , 36, 106-117	4.2	16
19	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
18	A simple model for vapor-moisture equilibrium in biomass substrates. <i>AIChE Journal</i> , 2009 , 55, 1595-1603	3.6	12
17	Uncertainty and sensitivity analysis of thermodynamic models using equal probability sampling (EPS). <i>Computers and Chemical Engineering</i> , 2000 , 23, 1825-1838	4	12
16	Ab Initio and Molecular Dynamics-Based Pair Potentials for Lanthanum Hexaboride. <i>Journal of Physical Chemistry C</i> , 2015 , 150611093731000	3.8	9
15	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
14	Surface Active Behavior of Hopanoid Lipids: Bacteriohopanetetrol and Phenylacetate Monoester Bacteriohopanetetrol. <i>Langmuir</i> , 1998 , 14, 4261-4265	4	9

13	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
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Nanodomains and local structure in ternary alkaline-earth hexaborides. <i>Journal of Applied Crystallography</i> , 2018 , 51, 1445-1454	3.8	4
4	Phase Stability Analysis of Ternary Alkaline-Earth Hexaborides: Insights from DFT Calculations. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 105-112	4	2
3	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
2	Esterification Kinetics of Phosphotungstic Acid Loaded KIT-5 Catalyzed Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 14948-14956	3.9	2
1	Predicting Destabilization in Salt-Containing Aqueous Reverse Micellar Colloidal Systems. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 2223-2232	3.2	2