

# Oscar D Crisalle

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

429  
citations

1039880

9  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal multiobjective optimization with differential evolution. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 1028-1059.	4.5	127
2	Application of Measurement Models to Impedance Spectroscopy: II . Determination of the Stochastic Contribution to the Error Structure. <i>Journal of the Electrochemical Society</i> , 1995, 142, 4149-4158.	1.3	126
3	THE NYQUIST ROBUST STABILITY MARGIN—A NEW METRIC FOR THE STABILITY OF UNCERTAIN SYSTEMS. <i>International Journal of Robust and Nonlinear Control</i> , 1997, 7, 211-226.	2.1	24
4	A grid-guided particle swarm optimizer for multimodal multi-objective problems. <i>Applied Soft Computing Journal</i> , 2022, 117, 108381.	4.1	22
5	A novel multiobjective optimization algorithm for sparse signal reconstruction. <i>Signal Processing</i> , 2020, 167, 107292.	2.1	21
6	Surfactants and protocols to induce spontaneous emulsification and enhance detergency. <i>Journal of Surfactants and Detergents</i> , 2005, 8, 45-53.	1.0	18
7	A New Characterization and Calibration Method for 3-dB-Coupled On-Wafer Measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 1193-1200.	2.9	17
8	Solute-induced effects in solvation thermodynamics: does urea behave as a structure-making or structure-breaking solute?. <i>Molecular Physics</i> , 2019, 117, 3484-3492.	0.8	12
9	Robust unconstrained predictive control design with guranteed nominal performance. <i>AIChE Journal</i> , 1996, 42, 1293-1303.	1.8	11
10	Can Jones's "Dole" B-Coefficient be a Consistent Structure-Making/Breaking Marker? Rigorous Molecular-Based Analysis and Critical Assessment of Its Marker Uniqueness. <i>Journal of Physical Chemistry B</i> , 2021, 125, 12028-12041.	1.2	11
11	On the behavior of the osmotic second virial coefficients of gases in aqueous solutions: Rigorous results, accurate approximations, and experimental evidence. <i>Journal of Chemical Physics</i> , 2019, 150, 124503.	1.2	8
12	Generalization of the Nyquist robust stability margin and its application to systems with real affine parametric uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2001, 11, 1415-1434.	2.1	7
13	On density-based modeling of dilute non-electrolyte solutions involving wide ranges of state conditions and intermolecular asymmetries: Formal results, fundamental constraints, and the rationale for its molecular thermodynamic foundations. <i>Fluid Phase Equilibria</i> , 2021, 535, 112969.	1.4	7
14	Osmolyte-Induced Effects on the Hydration Behavior and the Osmotic Second Virial Coefficients of Alkyl-Substituted Urea Derivatives: Critical Assessment of Their Structure-Making/Breaking Behavior. <i>Journal of Physical Chemistry B</i> , 2021, 125, 6231-6243.	1.2	6
15	A polynomial perspective on the stability of multivariable predictive controllers. <i>Computers and Chemical Engineering</i> , 2003, 27, 1097-1111.	2.0	5
16	Sliding mode control for A class of bilinear systems. , 2007, , .		4
17	The Nyquist robust sensitivity margin for uncertain closed-loop systems. <i>International Journal of Robust and Nonlinear Control</i> , 2005, 15, 619-634.	2.1	2
18	A Margin for Robust Stability and Robust Performance. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003, 36, 335-340.	0.4	0