Oscar D Crisalle

List of Publications by Year
in descending order

18	429	1039880 9	887953 17
papers	citations	h-index	g-index

19	19	19	378
all docs	docs citations	times ranked	citing authors

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