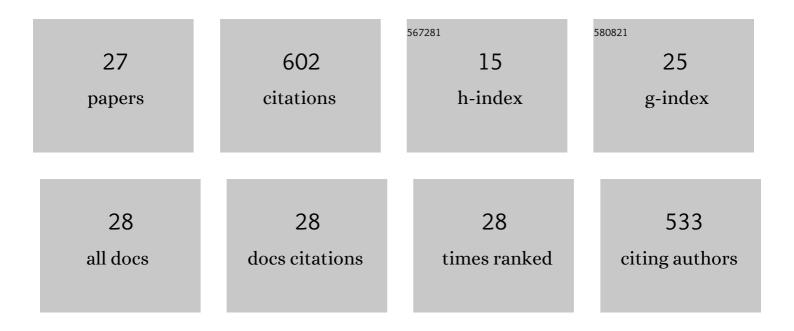
Wael A Fouad

List of Publications by Year in descending order

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Μλει Δ Εσιμαρ

#	Article	IF	CITATIONS
1	Combination of monovalent and divalent sites on an associating species: Application to water. AICHE Journal, 2021, 67, e17146.	3.6	3
2	How Molecular Modelling Tools Can Help in Mitigating Climate Change. Molecular Modeling and Simulation, 2021, , 181-220.	0.2	2
3	Activity Coefficients from an Equation of State: Novel Approach for Fast Phase Equilibrium Calculations. Industrial & Engineering Chemistry Research, 2021, 60, 17733-17744.	3.7	8
4	Molecular dynamic simulation and SAFT modeling of the viscosity and self-diffusion coefficient of low global warming potential refrigerants. Journal of Molecular Liquids, 2020, 317, 113998.	4.9	16
5	Thermal Conductivity of Pure Fluids and Multicomponent Mixtures Using Residual Entropy Scaling with PC-SAFT—Application to Refrigerant Blends. Journal of Chemical & Engineering Data, 2020, 65, 5688-5697.	1.9	14
6	A combined heat, hydrogen and power tri-generation system based on the use of catalytic membrane reactors with a dual-loop organic Rankine cycle. Energy Conversion and Management, 2020, 222, 113255.	9.2	12
7	Molecular modeling of the solubility of low global warming potential refrigerants in polyol ester lubricants. International Journal of Refrigeration, 2019, 103, 145-154.	3.4	25
8	Interfacial anomaly in low global warming potential refrigerant blends as predicted by molecular dynamics simulations. Physical Chemistry Chemical Physics, 2019, 21, 22092-22102.	2.8	23
9	Next generation of low global warming potential refrigerants: Thermodynamic properties molecular modeling. AICHE Journal, 2018, 64, 250-262.	3.6	58
10	Transport properties of HFC and HFO based refrigerants using an excess entropy scaling approach. Journal of Supercritical Fluids, 2018, 131, 106-116.	3.2	52
11	On the anomalous composition dependence of viscosity and surface tension in refrigerant blends. Journal of Molecular Liquids, 2018, 268, 190-200.	4.9	22
12	Predictive Model for Pressure–Volume–Temperature Properties and Asphaltene Instability of Crude Oils under Gas Injection. Energy & Fuels, 2018, 32, 8318-8328.	5.1	12
13	The phase and interfacial properties of azeotropic refrigerants: the prediction of aneotropes from molecular theory. Physical Chemistry Chemical Physics, 2017, 19, 8977-8988.	2.8	36
14	Response to "Comment on â€isolating the non-polar contributions to the intermolecular potential for water-alkane interactionsâ€â€™ [J. Chem. Phys. 144, 137101 (2016)]. Journal of Chemical Physics, 2016, 144, 137102.	3.0	7
15	Understanding the Thermodynamics of Hydrogen Bonding in Alcohol-Containing Mixtures: Cross-Association. Journal of Physical Chemistry B, 2016, 120, 3388-3402.	2.6	46
16	Extensions of the SAFT model for complex association in the bulk and interface. Fluid Phase Equilibria, 2016, 416, 62-71.	2.5	10
17	PC-SAFT predictions of VLE and LLE of systems related to biodiesel production. Fluid Phase Equilibria, 2016, 416, 130-137.	2.5	27
18	High pressure measurements and molecular modeling of the water content of acid gas containing mixtures. AICHE Journal, 2015, 61, 3038-3052.	3.6	21

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#	Article	IF	CITATIONS
19	Application of molecular modeling to the vapor–liquid equilibrium of alkyl esters (biodiesel) and alcohols systems. Fuel, 2015, 161, 34-42.	6.4	25
20	Solvation of nitrogen compounds in Titan's seas, precipitates, and atmosphere. Icarus, 2015, 256, 1-12.	2.5	18
21	Experimental Measurements and Molecular Modeling of the Hydrate Equilibrium as a Function of Water Content for Pressures up to 40 MPa. Industrial & Engineering Chemistry Research, 2015, 54, 9637-9644.	3.7	7
22	Understanding the Thermodynamics of Hydrogen Bonding in Alcohol-Containing Mixtures: Self Association. Journal of Physical Chemistry B, 2015, 119, 14086-14101.	2.6	31
23	Isolating the non-polar contributions to the intermolecular potential for water-alkane interactions. Journal of Chemical Physics, 2014, 141, 064905.	3.0	26
24	Examining the Consistency of Water Content Data in Alkanes Using the Perturbed-Chain Form of the Statistical Associating Fluid Theory Equation of State. Journal of Chemical & Engineering Data, 2014, 59, 1016-1023.	1.9	16
25	Phase behavior of sour natural gas systems using classical and statistical thermodynamic equations of states. Fluid Phase Equilibria, 2013, 356, 136-145.	2.5	15
26	Using mixed tertiary amines for gas sweetening energy requirement reduction. Journal of Natural Gas Science and Engineering, 2013, 11, 12-17.	4.4	44
27	Prediction of H ₂ S and CO ₂ Solubilities in Aqueous Triethanolamine Solutions Using a Simple Model of Kent–Eisenberg Type. Industrial & Engineering Chemistry Research, 2012, 51, 6591-6597.	3.7	23