Noureddine Ouerfelli

List of Publications by Year
in descending order

88	1,184	361413	477307
papers	citations	20 h-index	29 g-index

89	89	89	673
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physicochemical Properties of Nanofluids Produced from Oxidized Nanoparticles Synthesized in a Liquid by Pulsed Laser Ablation. Lasers in Manufacturing and Materials Processing, 2022, 9, 18-36.	2.2	4
2	Empirical Modeling of COVID-19 Evolution with High/Direct Impact on Public Health and Risk Assessment. International Journal of Environmental Research and Public Health, 2022, 19, 3707.	2.6	2
3	Novel linear/nonlinear dependence between the Viscosity Arrhenius parameters correlation in Newtonian liquids. Chemical Physics, 2021, 542, 111076.	1.9	10
4	On the solution of a parabolic PDE involving a gas flow through a semi-infinite porous medium. Results in Physics, 2021, 22, 103884.	4.1	5
5	Kinetic Modeling for Photo-Assisted Penicillin G Degradation of (Mn0.5Zn0.5)[CdxFe2-x]O4 (x â‰¤ 0.05) Nanospinel Ferrites. Nanomaterials, 2021, 11, 970.	4.1	10
6	Volumetric, Ultrasonic and Viscosimetric Studies for the Binary Mixture (1, 4-Dioxaneâ€‰+â€‰Water) at Tâ€‰=â€‰(295.15, 298.15, 301.15, 304.15, 307.15, 310.15 and 313.15) K. Journal of Solution Chemistry, 2021, 50, 1131-1168.	1.5	5
7	Prediction of Europium Retention in Perovskite: Potential Candidates for an Engineering Barrier in the Disposal of Radioactive Waste. Journal of Chemistry, 2021, 2021, 1-13.	1.9	2
8	Surface tension and viscosityâ€“temperature dependence and mutual causal correlation in tin-silver alloys. Surfaces and Interfaces, 2021, 26, 101444.	3.0	1
9	Novel Modeling of Parameters Related to Intra-Firm Diffusion Innovation. Journal of Mathematics Research, 2021, 13, 1.	0.1	0
10	Application Extended Vogel-Tammann-Fulcher Equation for soybean oil. Oriental Journal of Chemistry, 2021, 37, 1287-1294.	0.3	1
11	Validation of MessaÃ¢di equation on viscosity-temperature dependence for some ternary liquid mixtures by statistical correlation analysis. Physics and Chemistry of Liquids, 2020, 58, 590-602.	1.2	5
12	A survey of surface tension, molar volume and density for Snâ€“Agâ€“Cuâ€“Biâ€“Sb quinary alloys as lead-free solders. Philosophical Magazine, 2020, 100, 1415-1438.	1.6	3
13	A simplified model correlating the excess proprieties for Bi-X binary systems (X=Cu, Sb) serving the concept of reduced Redlich-Kister function at different temperatures. Surfaces and Interfaces, 2020, 21, 100643.	3.0	0
14	On the Modeling of the S-Shaped Thermodynamic and Transport Behavior against the Atomic Number Z of Some Trivalent f-Element Ions in Aqueous Solutions at 298 K and Prediction for Completion of the Periodic Table of Chemical Elements. Russian Journal of Physical Chemistry A, 2020, 94, 2077-2083.	0.6	1
15	Hyperbolic Correlation between the Viscosity Arrhenius Parameters at Liquid Phase of Some Pure Newtonian Fluids and Their Normal Boiling Temperature. Russian Journal of Physical Chemistry A, 2020, 94, 30-40.	0.6	6
16	Modeling of the irradiation effect on some physicochemical properties of metoprolol tartrate for safe medical uses. Scientific Reports, 2020, 10, 67.	3.3	4
17	Chitosan-Based Materials for the Removal of Nickel Ions from Aqueous Solutions. Russian Journal of Physical Chemistry A, 2020, 94, 748-755.	0.6	9
18	Reduced Redlichâ€“Kister functions and interaction studies of Dehpa + Petrofin binary mixtures at 298.15 K. Physics and Chemistry of Liquids, 2019, 57, 536-546.	1.2	8

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19	Optimal Pseudo-Average Order Kinetic Model for Correlating the Removal of Nickel Ions by Adsorption on Nanobentonite. Arabian Journal for Science and Engineering, 2019, 44, 159-168.	3.0	8
20	Investigation of Molecular Interaction in Benzene + Cyanex 923 Binary Mixtures at 298.15 K with Reduced Redlichâ€“Kister Functions. Russian Journal of Physical Chemistry A, 2019, 93, 2669-2675.	0.6	5
21	Removal of Pb(II) Metal Ions from Aqueous Solutions Using Chitosan-Vanillin Derivatives of Chelating Polymers. Polish Journal of Environmental Studies, 2019, 28, 1523-1534.	1.2	26
22	Numerical simulation of nanofluids for improved cooling efficiency in a 3D copper microchannel heat sink (MCHS). Physics and Chemistry of Liquids, 2018, 56, 311-331.	1.2	23
23	Natural Convection Heat Transfer in a Nanofluid Filled U-Shaped Enclosures: Numerical Investigations. Heat Transfer Engineering, 2018, 39, 1450-1460.	1.9	26
24	Investigations of the reduced Redlichâ€“Kister excess properties of 1,4-dioxane + isobutyric acid binary mixtures at temperatures from 295.15 to 313.15ÂK. Physics and Chemistry of Liquids, 2018, 56, 801-815.	1.2	6
25	Corrigendum on â€¯investigation on molecular interaction studies of binary mixture of Dehpa and Petrofin at 298.15 Kâ€™. Physics and Chemistry of Liquids, 2018, 56, 412-415.	1.2	3
26	Correlation between Surface Engineering and Deformation Response of Some Natural Polymer Fibrous Systems. Journal of Engineered Fibers and Fabrics, 2018, 13, 155892501801300.	1.0	4
27	An Extended Belda Equation for Physico-chemical Properties Correlation in Binary Liquid Mixtures at Different Temperatures. Asian Journal of Chemistry, 2018, 30, 47-54.	0.3	3
28	On the Homographic Dependence of Activation Energy and Viscosity Arrhenius' Temperature for Some Pure Fluids. Asian Journal of Chemistry, 2018, 30, 1937-1943.	0.3	6
29	Contribution to Modelling the Effect of Temperature on Removal of Nickel Ions by Adsorption on Nano-Bentonite. Asian Journal of Chemistry, 2018, 30, 1147-1156.	0.3	10
30	Corrigendum on â€œStudies on molar volume, dielectric properties and refractive indices of cyanex 923â€ +â€ benzene/xylene at 300â€ Kâ€• Journal of Molecular Liquids, 2018, 266, 62-64.	4.9	2
31	Removal of Orange 2G Dye from Aqueous Solutions Using TiO2-Based Nanoparticles: Isotherm and Kinetic Studies. Asian Journal of Chemistry, 2018, 30, 1645-1649.	0.3	7
32	Sorption of Cobalt (II) Ions from Aqueous Solutions Using Chemically Modified Chitosan. Global Nest Journal, 2018, 20, 620-627.	0.1	21
33	Correlation analysis of the power law parameters for viscosity of some engineering fluids. Physics and Chemistry of Liquids, 2017, , 1-9.	1.2	3
34	Fundamental and practical aspects concerning the characterization of smart textiles. MATEC Web of Conferences, 2017, 121, 01001.	0.2	0
35	Sensitivity of viscosity Arrhenius parameters to polarity of liquids. Russian Journal of Physical Chemistry A, 2017, 91, 1654-1659.	0.6	6
36	Prediction of the boiling temperature of 1,2-dimethoxyethane and propylene carbonate through the study of viscosityâ€“temperature dependence of corresponding binary liquid mixtures. Physics and Chemistry of Liquids, 2017, 55, 541-557.	1.2	11

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37	Physico-Chemical and Analytical Study of Metoprolol Tartrate: An Antihypertensive Drug. Asian Journal of Chemistry, 2017, 29, 1351-1356.	0.3	3
38	A Novel Approach of Partial Derivatives to Estimate the Normal Boiling Temperature via Viscosity Arrhenius Behaviour in N,N-Dimethylformamide + Ethanol Fluid Systems. Asian Journal of Chemistry, 2017, 29, 2038-2050.	0.3	7
39	Analysis of correlation between viscosity Arrhenius parameters: Extension to ternary liquid mixtures. Mediterranean Journal of Chemistry, 2017, 6, 208-215.	0.7	3
40	Research on the Relationship Between Surface Engineering and Deformation Response of Some Natural Polymeric Nanofibrous Systems. Possible Applications in Medicine. Journal of Computational and Theoretical Nanoscience, 2017, 14, 536-544.	0.4	0
41	Correlation Between Boiling Temperature and Viscosity Arrhenius Activation Energy in N,N-Dimethylformamide + 2-Propanol Mixtures at 303.15 to 323.15 K. Asian Journal of Chemistry, 2016, 28, 1972-1984.	0.3	8
42	Sensitivity of Viscosity Arrhenius-Type Equation to Density of Liquids. Asian Journal of Chemistry, 2016, 28, 2407-2410.	0.3	5
43	A partial derivatives approach for estimation of the viscosity Arrhenius temperature in N,N-dimethylformamide + 1,4-dioxane binary fluid mixtures at temperatures from 298.15 K to 318.15 K. Physics and Chemistry of Liquids, 2016, 54, 615-631.	1.2	16
44	Numerical simulation of heat transfer enhancement for natural convection in a cubical enclosure filled with Al₂O₃/water and Ag/water nanofluids. Physics and Chemistry of Liquids, 2016, 54, 703-716.	1.2	8
45	Correlation Analysis of the viscosity Arrhenius-type equations parameters for some binary liquids mixtures. Mediterranean Journal of Chemistry, 2016, 6, 23-32.	0.7	7
46	On the reduced Redlich-Kister excess properties for 1,2-dimethoxyethane with propylene carbonate binary mixtures at temperatures (from 298.15 to 318.15) K.. Mediterranean Journal of Chemistry, 2016, 6, 33-41.	0.7	3
47	A New Equation Relating the Viscosity Arrhenius Temperature and the Activation Energy for Some Newtonian Classical Solvents. Journal of Chemistry, 2015, 2015, 1-12.	1.9	95
48	A novel approach to discuss the viscosity Arrhenius behaviour and to derive the partial molar properties in binary mixtures of N,N-dimethylacetamide with 2-methoxyethanol in the temperature interval (from 298.15 to 318.15) K. Physics and Chemistry of Liquids, 2015, 53, 506-517.	1.2	9
49	Viscosity Arrhenius parameters correlation: extension from pure to binary fluid mixtures. Physics and Chemistry of Liquids, 2015, 53, 776-784.	1.2	25
50	Viscosity Arrhenius Activation Energy and Derived Partial Molar Properties in Isobutyric AcidÂ+ÂWater Binary Mixtures Near and Far Away from the Critical Temperature, 302.15 to 313.15ÂK. Journal of Solution Chemistry, 2015, 44, 54-66.	1.2	9
51	On the viscosity Arrhenius temperature for methanol +N,N-dimethylformamide binary mixtures over the temperature range from 303.15 to 323.15 K. Physics and Chemistry of Liquids, 2015, 53, 529-552.	1.2	13
52	Notion of viscosity Arrhenius temperature forN,N-dimethylacetamide withN,N-dimethylformamide binary mixtures and its pure components. Physics and Chemistry of Liquids, 2015, 53, 275-292.	1.2	11
53	Viscosity Arrhenius activation energy and derived partial molar properties in methanol +N,N-dimethylacetamide binary mixtures at temperatures from 303.15ÂK to 318.15ÂK. Physics and Chemistry of Liquids, 2015, 53, 117-137.	1.2	23
54	Transport behaviour of the lanthanide 152Eu(III), 153Gd(III) and 170Tm(III) and transplutonium element 254Es(III), 244Cm(III), 241Am(III), 249Cf(III) and 249Bk(III) ions in aqueous solutions at 298ÂK. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 51-55.	1.5	4

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55	Derived partial molar properties investigations of viscosity Arrhenius parameters in formamide +N,N-dimethylacetamide systems at different temperatures. Physics and Chemistry of Liquids, 2014, 52, 442-451.	1.2	20
56	Isobaric vapourâ€“liquid phase diagram and excess properties for the binary system 1,4-dioxane + water at 298.15 K, 318.15 K and 338.15 K. Physics and Chemistry of Liquids, 2014, 52, 373-387.	1.2	8
57	Contribution to modeling the viscosity Arrhenius-type equation for some solvents by statistical correlations analysis. Fluid Phase Equilibria, 2014, 383, 11-20.	2.5	83
58	Study of Chemical Interactions in Binary mixture water-1,4-dioxane : Neighbourhood and Associated Model Approach. Mediterranean Journal of Chemistry, 2014, 1, 289-302.	0.7	6
59	Viscosity Arrhenius activation energy and derived partial molar properties in ofN,N-dimethylacetamideÂ+Â2-ethoxyethanol binary mixtures at temperatures from 298.15ÂK to 318.15ÂK.. Physics and Chemistry of Liquids, 2013, 51, 721-730.	1.2	20
60	Viscosity Arrhenius activation energy and derived partial molar properties in N,N-Dimethylacetamide + water binary mixtures at temperatures from 298.15 to 318.15 K. Physics and Chemistry of Liquids, 2013, 51, 677-685.	1.2	21
61	Treatment of HerrÃ¡ez equation correlating viscosity in binary liquid mixtures exhibiting strictly monotonous distribution. Physics and Chemistry of Liquids, 2013, 51, 55-74.	1.2	24
62	Investigations of the ionic self-diffusion coefficients of the trivalent lanthanide¹⁵²Eu(III) in diluted Eu(ClO₄)₃solutions in 1,4-dioxaneâ€‰+â€‰water mixtures at 298.15â€‰K. Physics and Chemistry of Liquids, 2012, 50, 222-241.	1.2	2
63	Correspondence between Grunberg-Nissan, Arrhenius and Jouyban-Acree parameters for viscosity of 1,4-dioxaneâ€‰+â€‰water binary mixtures from 293.15â€‰K to 320.15â€‰K. Physics and Chemistry of Liquids, 2012, 50, 750-772.	1.2	10
64	On the validity of the correlation â€“ Belda equation for some physical and chemical properties in 1,4-dioxaneâ€‰+â€‰water mixtures. Physics and Chemistry of Liquids, 2012, 50, 54-68.	1.2	14
65	The reduced Redlichâ€“Kister equations for correlating volumetric and viscometric properties of N,N-dimethylacetamideâ€‰+â€‰dimethylformamide binary mixtures at temperatures from 298.15 to 318.15â€‰K. Physics and Chemistry of Liquids, 2012, 50, 712-734.	1.2	21
66	The relative reduced Redlichâ€“Kister equations for correlating excess properties of N,N-dimethylacetamideâ€‰+â€‰2-methoxyethanol binary mixtures at temperatures from 298.15â€‰K to 318.15â€‰K. Physics and Chemistry of Liquids, 2012, 50, 346-366.	1.2	22
67	Correspondence Between Grunbergâ€“Nissan, Arrhenius and Jouybanâ€“Acree Parameters for Viscosity of Isobutyric AcidÂ+ÂWater Binary Mixtures from 302.15 to 313.15ÂK. Journal of Solution Chemistry, 2012, 41, 2186-2208.	1.2	22
68	Investigations of the reduced Redlichâ€“Kister equations for correlating excess properties ofN,N-dimethylacetamideâ€‰+â€‰2-ethoxyethanol binary mixtures at temperatures from 298.15â€‰K to 318.15â€‰K. Physics and Chemistry of Liquids, 2012, 50, 773-797.	1.2	20
69	The Relative Reduced Redlichâ€“Kister Equations for Correlating Excess Properties of N,N-Dimethylacetamide + Water Binary Mixtures at Temperatures from 298.15 K to 318.15 K. Journal of Solution Chemistry, 2012, 41, 1555-1574.	1.2	19
70	The Relative Reduced Redlichâ€“Kister and HerrÃ¡ez Equations for Correlating Excess Properties of N,N-Dimethylacetamide + Formamide Binary Mixtures at Temperatures from 298.15 K to 318.15 K. Journal of Solution Chemistry, 2012, 41, 1334-1351.	1.2	22
71	Viscosity Arrhenius Activation Energy and Derived Partial Molar Properties in 1,4-Dioxane + Water Binary Mixtures from 293.15 to 323.15 K. Journal of Solution Chemistry, 2012, 41, 458-474.	1.2	48
72	Investigation of the Self-Diffusion Coefficients of Trivalent Gd3+ in aqueous solutions: The Effect of Hydrolysis and nitrate ion association. Mediterranean Journal of Chemistry, 2012, 1, 334-346.	0.7	4

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73	Competition between Redlichâ€“Kister and adapted HerrÃ¡ez equations of correlation conductivities in isobutyric acidâ€‰+â€‰water binary mixtures near and far away from the critical temperature. Physics and Chemistry of Liquids, 2011, 49, 155-171.	1.2	13
74	The reduced Redlichâ€“Kister excess molar Gibbs energy of activation of viscous flow and derived properties in 1,4-dioxaneâ€‰+â€‰water binary mixtures from 293.15 to 309.15â€‰K. Physics and Chemistry of Liquids, 2011, 49, 777-800.	1.2	28
75	Validity of the correlationâ€“Belda equation for some physical and chemical properties in isobutyric acidâ€‰+â€‰water mixtures near and far away from critical temperature. Physics and Chemistry of Liquids, 2011, 49, 655-672.	1.2	18
76	The Relative Reduced Redlich-Kister and HerrÃ¡ez Equations for Correlating Viscosities of 1,4-Dioxane + Water Mixtures at Temperatures fromÂ293.15ÂK toÂ323.15ÂK. Journal of Solution Chemistry, 2010, 39, 57-75.	1.2	32
77	Self-diffusion coefficients of the trivalent f-element ion series in dilute and moderately dilute aqueous solutions: A comparative study between europium, gadolinium, terbium and berkelium. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012079.	0.6	6
78	Competition between Redlichâ€“Kister and improved HerrÃ¡ez equations of correlation viscosities in 1,4-dioxane +water binary mixtures at different temperatures. Physics and Chemistry of Liquids, 2010, 48, 488-513.	1.2	28
79	Competition of Viscosity Correlation Equations inÂIsobutyric Acid + Water Binary Mixtures Near andÂFarÂAway from the Critical Temperature. Journal of Solution Chemistry, 2009, 38, 983-1004.	1.2	27
80	Density, dynamic viscosity, and derived properties of binary mixtures of 1,4 dioxane with water at T=298.15ÂK. Journal of Molecular Liquids, 2009, 145, 1-4.	4.9	44
81	An equation for self-diffusion coefficients of the trivalent lanthanide ion 152Eu (III) in concentrated asymmetrical 3:1 electrolyte aqueous solutions at pH 2.50 and at 298.15ÂK. Journal of Molecular Liquids, 2009, 146, 52-59.	4.9	7
82	KCl-Induced Phase Separation of 1,4-Dioxane + Water Mixtures Studied by Electrical Conductivity and Refractive Index. Journal of Chemical & Engineering Data, 2009, 54, 566-573.	1.9	12
83	Self-diffusion coefficients and structure of the trivalent f-element ions, Eu, Gd, Am, Bk, Cf and Es in aqueous diluted and concentrated solutions. Journal of Molecular Liquids, 2008, 138, 51-54.	4.9	11
84	Excess Molar Volume and Viscosity of Isobutyric Acid + Water Binary Mixtures Near and Far Away from the Critical Temperature. Journal of Solution Chemistry, 2006, 35, 121-137.	1.2	32
85	A shear viscosity study of cerium (III) nitrate in concentrated aqueous solutions at different temperatures. Journal of Physics Condensed Matter, 1996, 8, 2763-2774.	1.8	22
86	Ionic self-diffusion coefficients of (III) in solutions in water - dioxan mixtures at. Journal of Physics Condensed Matter, 1996, 8, 8173-8181.	1.8	8
87	Self-diffusion coefficients of the trivalent lanthanide ions ¹⁵³Gd (III) and¹⁷⁰Tm (III) in concentrated aqueous solutions. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1994, 91, 1786-1795.	0.2	13
88	New Model for the COVID-19 Reported Cases and Deaths of Ghana in Accelerated Spread and Prediction of the Delayed Phase. Annual Research & Review in Biology, 0, , 7-26.	0.4	1