

J D Pandey

List of Publications by Year in descending order

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35
papers

266
citations

933447

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996975

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g-index

35
all docs

35
docs citations

35
times ranked

191
citing authors

#	ARTICLE	IF	CITATIONS
1	Compressional Study of Mercury Through Thermodynamic and Thermoacoustical Parameters. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2022, 92, 7-11.	1.2	0
2	Evaluation and Comparative Study of Acoustic Non-Linearity Parameter of Liquid Metals and Alloys using Sound Speed and Density Data. Asian Journal of Chemistry, 2021, 33, 509-514.	0.3	0
3	Applications of Flory's Statistical Theory to Ionic Liquids in the Extended Pressure Range and at Different Temperatures. Current Physical Chemistry, 2021, 11, .	0.2	0
4	Evaluation of Thermodynamic and Optical Properties of Sixteen Ionic Liquids at Different Temperatures. Current Physical Chemistry, 2021, 11, 97-121.	0.2	1
5	Adsorptive Removal of Alizarin Red S by a Novel Biosorbent of an Invasive Weed Mikania micrantha. The National Academy of Sciences, India, 2017, 40, 113-116.	1.3	4
6	Density, Viscosity, Thermal Expansion Coefficients and Heat Capacity Ratios of an Environmentally Hazardous Dye Tartrazine in Aqueous Solutions in the Temperature Range 293.15–333.15 K. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2015, 85, 35-39.	1.2	7
7	Estimation of Thermal Expansion Coefficients of 1-Butyl-3-methylimidazolium Hexafluorophosphate + Poly(ethylene glycol) from Density Data in the Temperature Range (313.15–363.15 K). The National Academy of Sciences, India, 2015, 38, 153-156.	1.3	2
8	Adsorption of Alizarin Red S onto Biosorbent of Lantana camara: Kinetic, Equilibrium Modeling and Thermodynamic Studies. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2014, 84, 495-504.	1.2	28
9	Study of Mechanism of Interaction of Mercurochrome with CT-DNA by Computation, Fluorescence and Electrophoretic Methods. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 97-103.	1.2	1
10	Theoretical Formulism of Viscosity of Liquid Mixtures Using Generalized Hole Theory – A New Approach. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2013, 83, 225-231.	1.2	1
11	Estimation of the Surface Tensions of Benzonitrile, Chlorobenzene, Benzyl Chloride and Benzyl Alcohol in Mixtures with Benzene by Associated and Non-associated Processes at 298.15, 303.15 and 313.15 K. Journal of Solution Chemistry, 2012, 41, 1112-1132.	1.2	14
12	Interaction of Uracil and Uridine with the Cosolvent and Denaturant Aqueous Urea at Molecular Level: Effect of Na ⁺ , K ⁺ and Ca ⁺⁺ Ions. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2012, 82, 179-186.	1.2	4
13	Thermodynamic properties of pure liquids within a generalized version of the hole theory. Physics and Chemistry of Liquids, 2012, 50, 69-78.	1.2	4
14	Theoretical estimations of thermodynamic properties of liquid mixtures by Flory's statistical theory. Physics and Chemistry of Liquids, 2008, 46, 417-432.	1.2	20
15	Computation of various thermodynamic properties of binary liquid mixtures of nitrobenzene and benzene using equation of state modified for high pressures and varying temperatures. Physics and Chemistry of Liquids, 2007, 45, 47-56.	1.2	0
16	Isotopic effects on non-linearity, molecular radius and intermolecular free length. Pramana - Journal of Physics, 2006, 67, 389-394.	1.8	10
17	A comparative study of non-linearity parameter for binary liquid mixtures. Pramana - Journal of Physics, 2005, 65, 535-540.	1.8	8
18	Novel approach for prediction of ultrasonic velocity in quaternary liquid mixtures. Pramana - Journal of Physics, 2005, 64, 135-139.	1.8	10

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19	Theoretical prediction of surface tension of ternary liquid system (nitrogen + oxygen + argon) at elevated temperature and different pressure. <i>Journal of Colloid and Interface Science</i> , 2004, 274, 331-333.	9.4	4
20	Thermoacoustical approach to the intermolecular free-length of liquid mixtures. <i>PhysChemComm</i> , 2003, 6, 55.	0.8	16
21	Surface Tension of Ternary Liquid Mixtures. <i>Physics and Chemistry of Liquids</i> , 2001, 39, 763-772.	1.2	16
22	Prediction of Heat of Mixing from Internal Pressure Data. <i>Physics and Chemistry of Liquids</i> , 2001, 39, 781-790.	1.2	10
23	Non-linearity parameter B/A of binary liquid mixtures at elevated pressures. <i>Pramana - Journal of Physics</i> , 2000, 55, 433-439.	1.8	23
24	Ultrasonic velocity of binary systems at elevated pressures. <i>Pramana - Journal of Physics</i> , 1999, 52, 187-193.	1.8	23
25	Surface tension and ultrasonic velocity of binary liquid mixtures at 298.15 K. <i>Journal of Chemical Sciences</i> , 1999, 111, 361-367.	1.5	2
26	Thermochemical and sonochemical studies of adenosine-H ₂ O-DMSO-Ca ²⁺ /K ⁺ systems. <i>Journal of Chemical Sciences</i> , 1999, 111, 747-752.	1.5	6
27	Viscosity and density of binary electrolytes in aqueous solutions. <i>Journal of Chemical Sciences</i> , 1997, 109, 289-294.	1.5	3
28	Ultrasonic studies of interactions in ternary solutions containing sorbitol and sodium carboxylate solution at 308 K. <i>Journal of Chemical Sciences</i> , 1997, 109, 353-361.	1.5	5
29	Internal pressure, ultrasonic velocity and viscosity of multi-component liquid systems. <i>Pramana - Journal of Physics</i> , 1993, 40, 81-87.	1.8	17
30	Prediction of Refractive Index of Quaternary Liquid Mixtures. <i>Physics and Chemistry of Liquids</i> , 1988, 18, 337-348.	1.2	6
31	Surface Tension and Sound Velocity of Pb-Sn Alloys in the Liquid State. <i>Physics and Chemistry of Liquids</i> , 1985, 14, 253-258.	1.2	5
32	Pseudo-Grüneisen parameter of molten salts and their binary mixtures. <i>Journal of Chemical Physics</i> , 1982, 77, 1064-1065.	3.0	6
33	Temperature dependence of ultrasonic attenuation and nonlinearity constant D for germanium. <i>Journal of Applied Physics</i> , 1978, 49, 205-207.	2.5	5
34	Compression Study of Higher Alkanes Through Pseudo-Grüneisen Parameters. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 65, K149.	1.5	1
35	Interatomic Forces and Cohesive Energy of Diatomic Polar Crystals. <i>Journal of the Physical Society of Japan</i> , 1969, 26, 579-579.	1.6	4