

# Manish Singh

## List of Publications by Year in descending order

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26  
papers

952  
citations

623734

14  
h-index

580821

25  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquids confined in porous matrices: Physicochemical properties and applications. Progress in Materials Science, 2014, 64, 73-120.	32.8	264
2	Molecular Interactions of a Cu-Based Metal-Organic Framework with a Confined Imidazolium-Based Ionic Liquid: A Combined Density Functional Theory and Experimental Vibrational Spectroscopy Study. Journal of Physical Chemistry C, 2016, 120, 3295-3304.	3.1	155
3	Studies on Imidazolium-Based Ionic Liquids Having a Large Anion Confined in a Nanoporous Silica Gel Matrix. Journal of Physical Chemistry B, 2011, 115, 7505-7514.	2.6	84
4	Influence of Water on the Chemistry and Structure of the Metal-Organic Framework Cu <sub>3</sub> (btc) <sub>2</sub> . Journal of Physical Chemistry C, 2016, 120, 17323-17333.	3.1	64
5	Low density ionogels obtained by rapid gellification of tetraethyl orthosilane assisted by ionic liquids. Dalton Transactions, 2012, 41, 6263.	3.3	50
6	Properties of Ionic Liquid Confined in Porous Silica Matrix. ChemPhysChem, 2010, 11, 2036-2043.	2.1	49
7	Ionic liquid assisted synthesis of nano-porous TiO <sub>2</sub> and studies on confined ionic liquid. Materials Letters, 2012, 86, 73-76.	2.6	42
8	Viscoelastic, Surface, and Volumetric Properties of Ionic Liquids [BMIM][OcSO <sub>4</sub> ], [BMIM][PF <sub>6</sub> ], and [EMIM][MeSO <sub>3</sub> ]. Journal of Chemical & Engineering Data, 2014, 59, 2349-2359.	1.9	40
9	Correlation between ultrasonic velocity, surface tension, density and viscosity of ionic liquids. Fluid Phase Equilibria, 2011, 304, 1-6.	2.5	35
10	Thermal stability of ionic liquid in confined geometry. Journal Physics D: Applied Physics, 2010, 43, 092001.	2.8	30
11	Changes in dynamical behavior of ionic liquid in silica nano-pores. Ionics, 2014, 20, 507-516.	2.4	25
12	Effect of Ultrasonic Irradiation on Preparation and Properties of Ionogels. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	24
13	Biogenic and Non-Biogenic Waste Utilization in the Synthesis of 2D Materials (Graphene, h-BN, g-C <sub>2</sub> N) and Their Applications. Frontiers in Nanotechnology, 2021, 3, .	4.8	19
14	Ultrasonic attenuation due to phonon-phonon interaction, thermoelastic loss and dislocation damping in transition metal carbides. Journal of Physics Condensed Matter, 2008, 20, 345227.	1.8	16
15	Removal of Confined Ionic Liquid from a Metal Organic Framework by Extraction with Molecular Solvents. Journal of Physical Chemistry C, 2017, 121, 10577-10586.	3.1	12
16	Temperature dependent ultrasonic and conductivity studies in aqueous polymeric solution. Fluid Phase Equilibria, 2009, 284, 10-13.	2.5	8
17	Acoustical and elastic properties of transition metal nitrides. Physica B: Condensed Matter, 2009, 404, 95-99.	2.7	7
18	Role of reduced precursor and solvolytic reagent molar ratio on preparation and properties of ionogel. Journal of Solid State Chemistry, 2016, 242, 29-37.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Behaviour of ionic liquid adsorbed on the surface of nano silica particles and in confined system of silica matrices. <i>Surface Science</i> , 2020, 701, 121701.	1.9	7
20	Temperature dependent acoustical characterization of alkaline earth monochalcogenides in B1 and B2 phase. <i>Physica B: Condensed Matter</i> , 2010, 405, 77-84.	2.7	6
21	Effect of Temperature on Non-Destructive Wave Propagation in Uranium Monopnictides. <i>Acta Physica Polonica A</i> , 2009, 115, 664-670.	0.5	3
22	A new technique for determination of melting temperature of poly(ethylene glycol) by ultrasonic velocimetry. <i>Phase Transitions</i> , 2009, 82, 599-606.	1.3	2
23	Absorption and Velocity of Acoustical Waves in Binary Solutions of Poly(Ethylene Glycol) and Water. <i>Proceedings of Meetings on Acoustics</i> , 2008, , .	0.3	1
24	Acoustic wave propagation in barium monochalcogenides in the B1 phase. <i>Acoustical Physics</i> , 2009, 55, 186-191.	1.0	1
25	ACOUSTICAL CHARACTERIZATION OF NANOSTRUCTURED METAL. <i>International Journal of Nanoscience</i> , 2008, 07, 315-323.	0.7	0
26	Investigation on Ionic Conductivity and Raman Spectroscopic Studies of Ionic Liquid Immobilized PEO-Based Polymer Electrolytes. <i>Springer Proceedings in Materials</i> , 2022, , 41-49.	0.3	0