

# R K Singh

## List of Publications by Year in descending order

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51  
papers

788  
citations

623734

14  
h-index

526287

27  
g-index

51  
all docs

51  
docs citations

51  
times ranked

495  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Contribution of Three-Body Overlap Forces to the Dynamical Matrix of Alkali Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1969, 33, 769-778.	1.5	162
2	Determining diffusion coefficients of ionic liquids by means of field cycling nuclear magnetic resonance relaxometry. <i>Journal of Chemical Physics</i> , 2014, 140, 244509.	3.0	75
3	Effect of Three-Body Forces on the Shell Model of Alkali Halides: Application to KBr and KI. <i>Physica Status Solidi (B): Basic Research</i> , 1969, 36, 335-343.	1.5	52
4	Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. <i>Thrombosis Research</i> , 2012, 129, e119-e125.	1.7	44
5	Extended three-body-force shell-model dynamics of sodium-halide crystals. <i>Physical Review B</i> , 1976, 14, 2625-2632.	3.2	40
6	Effect of Three-Body Interactions on the Shell Model of Alkali Halides: Application to KF and KCl. <i>Physica Status Solidi (B): Basic Research</i> , 1970, 38, 851-855.	1.5	36
7	Effect of ionic liquid on the crystallization kinetics behaviour of polymer poly(ethylene oxide). <i>CrystEngComm</i> , 2013, 15, 6022.	2.6	30
8	Role of ionic liquid [BMIMPF <sub>6</sub> ] in modifying the crystallization kinetics behavior of the polymer electrolyte PEO-LiClO <sub>4</sub> . <i>RSC Advances</i> , 2015, 5, 8263-8277.	3.6	20
9	Study of Cohesion and Allied Properties of Silver Halide Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1981, 103, 337-344.	1.5	19
10	The Dynamical Behaviour of Silver Chloride with Modified Shell Model. <i>Physica Status Solidi (B): Basic Research</i> , 1972, 51, 389-393.	1.5	18
11	Dynamics and statics of sodium-halide crystals. <i>Physical Review B</i> , 1979, 20, 5379-5389.	3.2	17
12	Role of Zero-Point Motion and Three-Body Effects in the Study of Crystal Properties of Rare Gas Solids. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 112, 735-746.	1.5	16
13	Study of cohesion and thermodynamical properties of fluorite-type AB <sub>2</sub> crystals. <i>Journal of Chemical Physics</i> , 1982, 76, 2596-2601.	3.0	15
14	Many-body interactions in rare-gas solid mixtures. <i>Journal of Physics C: Solid State Physics</i> , 1983, 16, 3409-3423.	1.5	15
15	The emission of characteristic and non-characteristic x-rays from collisions of 10 <sup>22</sup> keV electrons with argon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 3031-3042.	1.5	14
16	Isothermal and non-isothermal crystallization kinetics of PVA + ionic liquid [BDMIM][BF <sub>4</sub> ]-based polymeric films. <i>Phase Transitions</i> , 2016, 89, 578-597.	1.3	14
17	Role of Three-Body Interactions in Cohesive and Thermophysical Properties of Alkaline Earth Oxides. <i>Physica Status Solidi (B): Basic Research</i> , 1980, 99, 771-776.	1.5	13
18	An Interionic Potential Model for Crystal Properties of Alkali Hydrides. <i>Journal of the Physical Society of Japan</i> , 1980, 49, 1046-1050.	1.6	13

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19	Interionic potential and crystal properties of mixed diatomic solids. Journal of Physics C: Solid State Physics, 1982, 15, 1765-1779.	1.5	13
20	A Study of Clinical and Laboratory Features of 14 Indian Patients With Dysferlinopathy. Journal of Clinical Neuromuscular Disease, 2004, 6, 1-8.	0.7	12
21	Incidence, risk factors and associated mortality of central line-associated bloodstream infections at an intensive care unit in northern India. International Journal for Quality in Health Care, 2016, 29, 63-67.	1.8	12
22	Study of Cohesion, Harmonic and Anharmonic Elastic Properties of $\text{CaF}_2$ - $\text{SrF}_2$ Mixed Crystals. Physica Status Solidi (B): Basic Research, 1984, 123, 453-462.	1.5	11
23	Partial dissociative ionization of $\text{SF}_6$ by electron impact using an ejected electron-ion coincidence technique. Physical Review A, 2003, 67, .	2.5	11
24	Free-Carrier Doping and Many-Body Effects in Crystal Dynamics of Lead Sulphide Semiconductors. Physica Status Solidi (B): Basic Research, 1981, 106, 229-236.	1.5	10
25	A rapid and selective separation of palladium. Journal of Radioanalytical and Nuclear Chemistry, 1992, 162, 155-162.	1.5	10
26	Crystallization behaviour of polymeric membrane based on polymer PVdF-HFP and Ionic liquid BMIMBF <sub>4</sub> . RSC Advances, 0, , .	3.6	10
27	Indian consensus on the management of CRE infection in critically ill patients (ICONIC) – India. Expert Review of Anti-Infective Therapy, 2019, 17, 647-660.	4.4	10
28	Study of lattice statics and allied properties of zincblende-type compound semiconductors. Physica Status Solidi (B): Basic Research, 1982, 114, 235-242.	1.5	9
29	Hip Abduction Sign: A New Clinical Sign in Sarcoglycanopathies. Journal of Clinical Neuromuscular Disease, 2001, 3, 13-15.	0.7	9
30	Extractive spectrophotometric determination of palladium from acidic high activity nuclear waste. Journal of Radioanalytical and Nuclear Chemistry, 1994, 177, 327-333.	1.5	6
31	COVID-19 vaccine-related functional neurological disorders in the Emergency department. Canadian Journal of Emergency Medicine, 2022, , 1.	1.1	6
32	Study of thermophysical and anharmonic properties of fluorite compounds. Physica Status Solidi (B): Basic Research, 1983, 115, 555-562.	1.5	5
33	Effect of three-body forces on thermophysical and anharmonic properties of rare gas solid mixtures. Physica Status Solidi (B): Basic Research, 1983, 116, 289-297.	1.5	5
34	Energy and angular distributions of electrons ejected from $\text{CH}_4$ and $\text{C}_3\text{H}_8$ under 16.0 keV electron impact. Pramana - Journal of Physics, 2003, 60, 1203-1215.	1.8	5
35	Diverse effects of formate on the assimilatory metabolism of nitrate and nitrite in <i>Rhizobium</i> . Journal of Biosciences, 1984, 6, 181-184.	1.1	4
36	Lattice dynamics of rare-earth monpnictides. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1979, 49, 277-282.	0.2	3

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37	Anharmonic Properties of Sodium Halides. <i>Physica Status Solidi (B): Basic Research</i> , 1985, 127, 95-101.	1.5	3
38	FIRST-PRINCIPLE STUDY ON STRUCTURAL, ELASTIC AND ELECTRONIC PROPERTIES OF BINARY RARE EARTH INTERMETALLIC COMPOUNDS: $\text{GdCu}$ AND $\text{GdZn}$ . <i>International Journal of Computational Materials Science and Engineering</i> , 2012, 01, 1250005.	0.7	3
39	Epidemiology of central line-associated bloodstream infections at a tertiary care centre in northern India. <i>Journal of Hospital Infection</i> , 2016, 92, 299-301.	2.9	3
40	A TSM study of lattice statics and dynamics of potassium chloride. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1979, 52, 113-123.	0.2	2
41	Debye-Waller factors for alkaline earth oxides. <i>Physica Status Solidi (B): Basic Research</i> , 1982, 114, 637-643.	1.5	2
42	Cohesive and anharmonic elastic properties of mixed fluorite crystals. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1989, 11, 1405-1414.	0.4	2
43	Severe ovarian hyperstimulation syndrome leading to ICU admission. <i>Saudi Journal of Anaesthesia</i> , 2010, 4, 35.	0.7	2
44	A comparative study of seizures in arterial and venous stroke. <i>International Journal of Epilepsy</i> , 2017, 04, 006-011.	0.5	2
45	Microhardness of mixed silver halides. <i>Journal Physics D: Applied Physics</i> , 1982, 15, 1053-1057.	2.8	1
46	Evaluation of Cohesive Energies for $\text{NaCl}$ & $\text{NaBr}$ Mixed Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 1983, 118, K141.	1.5	1
47	Acoustic wave propagation in barium monochalcogenides in the B1 phase. <i>Acoustical Physics</i> , 2009, 55, 186-191.	1.0	1
48	Transport and tumbling of polymers in viscoelastic shear flow. <i>Physical Review E</i> , 2020, 102, 012605.	2.1	1
49	Nitrogen fixation by nitrate reductase deficient mutants of <i>Rhizobium japonicum</i> . <i>Indian Journal of Experimental Biology</i> , 1980, 18, 1165-7.	0.0	1
50	ACOUSTICAL CHARACTERIZATION OF NANOSTRUCTURED METAL. <i>International Journal of Nanoscience</i> , 2008, 07, 315-323.	0.7	0
51	Citelman syndrome, familial seizures, and demyelinating neuropathy: Rare association may be due to sodium potassium cotransporter genes. <i>Saudi Journal of Kidney Diseases and Transplantation: an Official Publication of the Saudi Center for Organ Transplantation, Saudi Arabia</i> , 2016, 27, 832.	0.3	0