

# Navjot Kaur

## List of Publications by Year in descending order

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55  
papers

2,085  
citations

394421

19  
h-index

254184

43  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4030  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic and Nongenetic Determinants of Variable Warfarin Dose Requirements: A Report from North India. <i>Public Health Genomics</i> , 2022, 25, 52-60.	1.0	4
2	An adaptive wavelet optimized finite difference B-spline polynomial chaos method for random partial differential equations. <i>Applied Mathematics and Computation</i> , 2022, 415, 126738.	2.2	5
3	Ornamental Date Palm and Sidr Trees: Fruit Elements Composition and Concerns Regarding Consumption. <i>International Journal of Fruit Science</i> , 2022, 22, 17-34.	2.4	19
4	Preharvest Applications of Chitosan, Salicylic Acid, and Calcium Chloride Have a Synergistic Effect on Quality and Storability of Date Palm Fruit ( <i>Phoenix dactylifera</i> L.). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2022, 57, 422-430.	1.0	22
5	A hypothalamic pathway for Augmentor $\pm$ controlled body weight regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200476119.	7.1	8
6	Computational Investigations on Metal Oxide Clusters and Graphene-Based Nanomaterials for Heterogeneous Catalysis. , 2021, , 93-118.		0
7	The Role of In Utero Disruption of Prefrontal Corticothalamic Circuitry in the Etiology of Schizophrenia. <i>Biological Psychiatry</i> , 2021, 89, S209.	1.3	0
8	Synergistic Effect of Preharvest Spray Application of Natural Elicitors on Storage Life and Bioactive Compounds of Date Palm ( <i>Phoenix dactylifera</i> L., cv. Khesab). <i>Horticulturae</i> , 2021, 7, 145.	2.8	21
9	Improving Fruit Quality, Bioactive Compounds, and Storage Life of Date Palm ( <i>Phoenix dactylifera</i> L., cv. Khesab). <i>Horticulturae</i> , 2021, 7, 145.	2.8	21
10	Regulation of prefrontal patterning and connectivity by retinoic acid. <i>Nature</i> , 2021, 598, 483-488.	27.8	59
11	Hominini-specific regulation of CBLN2 increases prefrontal spinogenesis. <i>Nature</i> , 2021, 598, 489-494.	27.8	37
12	Uncertainty Quantification of Stochastic Epidemic SIR Models Using B-spline Polynomial Chaos. <i>Regular and Chaotic Dynamics</i> , 2021, 26, 22-38.	0.8	3
13	Kinetics and Thermodynamics of CO Oxidation by (TiO <sub>2</sub> ) <sub>6</sub> . <i>Molecules</i> , 2021, 26, 6415.	3.8	0
14	Uncertainty propagation using Wiener-Linear B-spline wavelet expansion. <i>Computers and Mathematics With Applications</i> , 2020, 79, 2598-2623.	2.7	3
15	Neural Stem Cells Direct Axon Guidance via Their Radial Fiber Scaffold. <i>Neuron</i> , 2020, 107, 1197-1211.e9.	8.1	17
16	Conceptual DFT and TDDFT study on electronic structure and reactivity of pure and sulfur doped (CrO <sub>3</sub> ) (n= 1-10) clusters. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 99, 107617.	2.4	7
17	CRISPR/Cas9 directed editing of lycopene epsilon-cyclase modulates metabolic flux for $\beta$ -carotene biosynthesis in banana fruit. <i>Metabolic Engineering</i> , 2020, 59, 76-86.	7.0	144
18	Whole-Genome and RNA Sequencing Reveal Variation and Transcriptomic Coordination in the Developing Human Prefrontal Cortex. <i>Cell Reports</i> , 2020, 31, 107489.	6.4	91

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19	Hybrid Hermite polynomial chaos SBP-SAT technique for stochastic advection-diffusion equations. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050128.	1.7	0
20	Understanding structure-activity relation in VxOy clusters of varied stoichiometry and sizes through conceptual density functional approach. <i>Journal of Molecular Modeling</i> , 2019, 25, 319.	1.8	3
21	A modular paper-and-plastic device for tuberculosis nucleic acid amplification testing in limited-resource settings. <i>Scientific Reports</i> , 2019, 9, 15367.	3.3	19
22	Paper Stacks for Uniform Rehydration of Dried Reagents in Paper Microfluidic Devices. <i>Scientific Reports</i> , 2019, 9, 15755.	3.3	15
23	Time-dependent DFT and experimental study on visible light photocatalysis by metal oxides of Ti, V and Zn after complexing with a conjugated polymer. <i>New Journal of Chemistry</i> , 2019, 43, 1505-1516.	2.8	8
24	Restoration of brain circulation and cellular functions hours post-mortem. <i>Nature</i> , 2019, 568, 336-343.	27.8	175
25	Nucleotide conjugated (ZnO) <sub>3</sub> cluster: Interaction and optical characteristics using TDDFT. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 87, 211-219.	2.4	3
26	A QM/MM study on ethene and benzene oxidation using silica-supported chromium trioxide. <i>Journal of Molecular Modeling</i> , 2019, 25, 17.	1.8	1
27	Paper-based nucleic acid amplification tests for point-of-care diagnostics. <i>Analyst</i> , The, 2018, 143, 2213-2234.	3.5	73
28	Triboelectric Nanogenerators for Mechanical Energy Harvesting. <i>Energy Technology</i> , 2018, 6, 958-997.	3.8	26
29	CRISPR/Cas9-mediated efficient editing in phytoene desaturase (PDS) demonstrates precise manipulation in banana cv. Rasthali genome. <i>Functional and Integrative Genomics</i> , 2018, 18, 89-99.	3.5	203
30	Integrative functional genomic analysis of human brain development and neuropsychiatric risks. <i>Science</i> , 2018, 362, .	12.6	516
31	Noncoding RNA Ginir functions as an oncogene by associating with centrosomal proteins. <i>PLoS Biology</i> , 2018, 16, e2004204.	5.6	27
32	Multidimensional Paper Networks: A New Generation of Low-Cost Pump-Free Microfluidic Devices. <i>Journal of the Indian Institute of Science</i> , 2018, 98, 103-136.	1.9	7
33	Identification and expression analysis of genes involved in somatic embryogenesis of banana. <i>Acta Physiologiae Plantarum</i> , 2018, 40, 1.	2.1	7
34	Identification of a biologically active fragment of ALK and LTK-Ligand 2 (augmentor-1±). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8340-8345.	7.1	12
35	Do the pharmacokinetic and pharmacodynamic graphs warrant additional explanation?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8113-E8113.	7.1	1
36	Enhanced magnetic properties of cobalt-doped graphene nanoribbons. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	2

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37	Enantioselective synthesis of sulfoxide using an SBA-15 supported vanadia catalyst: a computational elucidation using a QM/MM approach. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25059-25070.	2.8	5
38	Genome-wide analysis of transcription factors during somatic embryogenesis in banana ( <i>Musa spp.</i> ) cv. Grand Naine. <i>PLoS ONE</i> , 2017, 12, e0182242.	2.5	33
39	Effective energy harvesting from a single electrode based triboelectric nanogenerator. <i>Scientific Reports</i> , 2016, 6, 38835.	3.3	59
40	Spin Inversion Phenomenon and Two-State Reactivity Mechanism for Direct Benzene Hydroxylation by $V_4O_{10}$ Cluster. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9588-9597.	2.5	17
41	Feasibility and efficacy of gentamicin for treating neonatal sepsis in community-based settings: a systematic review. <i>World Journal of Pediatrics</i> , 2016, 12, 408-414.	1.8	1
42	Effect of nitrogen as codoping on transition metal doped $ZnS$ clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 388, 160-166.	2.3	6
43	First principle investigation of the magnetic properties of transition metal doped $ZnS$ clusters. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 388, 160-166.	2.3	12
44	<i>Terminalia arjuna</i> in Chronic Stable Angina: Systematic Review and Meta-Analysis. <i>Cardiology Research and Practice</i> , 2014, 2014, 1-7.	1.1	20
45	Physicochemical Properties of New Formulations of 1-Ethyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide with Tritons. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 3988-3999.	1.9	17
46	Drug Utilization Study in Medical Emergency Unit of a Tertiary Care Hospital in North India. <i>Emergency Medicine International</i> , 2014, 2014, 1-5.	0.8	21
47	Effect of HDL-Raising Drugs on Cardiovascular Outcomes: A Systematic Review and Meta-Regression. <i>PLoS ONE</i> , 2014, 9, e94585.	2.5	66
48	MiR-145 functions as a tumor-suppressive RNA by targeting Sox9 and adducin 3 in human glioma cells. <i>Neuro-Oncology</i> , 2013, 15, 1302-1316.	1.2	110
49	Wnt3a mediated activation of Wnt/ $\beta$ -catenin signaling promotes tumor progression in glioblastoma. <i>Molecular and Cellular Neurosciences</i> , 2013, 54, 44-57.	2.2	114
50	Secretome analysis of Glioblastoma cell line - HNGC-2. <i>Molecular BioSystems</i> , 2013, 9, 1390.	2.9	12
51	Randomized Controlled Trial of Etodolac versus Combination of Etodolac and Eperisone in Patients of Knee Osteoarthritis. <i>Pain Research and Treatment</i> , 2013, 2013, 1-5.	1.7	2
52	Comment on "Gabapentin Versus Chlordiazepoxide for Outpatient Alcohol Detoxification Treatment". <i>Annals of Pharmacotherapy</i> , 2013, 47, 1742-1742.	1.9	0
53	Dlx1-1, a member of MAGE family, inhibits cell proliferation, invasion and tumorigenicity of glioma stem cells. <i>Cancer Gene Therapy</i> , 2011, 18, 206-218.	4.6	19
54	Dlx1-1, a MAGE family protein, induces accelerated neurite outgrowth and cell survival by enhanced and early activation of MEK and Akt signalling pathways in PC12 cells. <i>Experimental Cell Research</i> , 2010, 316, 2220-2236.	2.6	12

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55	Clusters as catalysts: advantages and challenges. Chemical Modelling, 0, , 126-161.	0.4	1