



Department of Physics, University of Jammu

Research Publications

2018

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
							Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/Scopus /Web of Science /other, mention
1	Development of SnS _{0.4} Se _{0.6} Ternary Alloy on Annealing of Thermally Deposited Films	Arun Banotra & Naresh Padha	Physics	Journal of Electronic Materials	2018	0361-5235	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-018-6710-y	UGC Care list/Scopus/Web of Science
2	Impact of additional sulphur on structure, morphology and optical properties of SnS thin films by thermal evaporation	Arun Banotra, Naresh Padha, Shiv Kumar, and Ashok K. Kapoor	Physics	AIP Conference Proceedings	2018	0094-243X	https://aip.scitation.org/journal/apc	https://aip.scitation.org/doi/10.1063/1.5032986	UGC Care list/Scopus/Web of Science

3	Structural and optical properties of tin disulphide thin films grown by flash evaporation	Arun Banotra & Naresh Padha	Physics	AIP Conference Proceedings	2018	0094-243X	https://aip.scitation.org/journal/apc	https://aip.scitation.org/doi/abs/10.1063/1.5028884	UGC Care list/Scopus/Web of Science
4	Potential of Sm ³⁺ doped LiSrVO ₄ nanophosphor to fill amber gap in LEDs	P.Biswas, Vinay Kumar, Vishal Sharm, A.K.Bedyal Naresh Padha , H.C.Swart	Physics	Physica B: Condensed Matter	2018	0921-4526	https://www.sciencedirect.com/journal/physica-b-condensed-matter	https://www.sciencedirect.com/science/article/abs/pii/S0921452617304398	UGC Care list/Scopus/Web of Science
5	Structure and Molecular Interactions Analysis of (E)-N'-(3,4,5-trimethoxybenzylidene)isonicotinohydrazide dehydrate	Gopal Sharma, Sumati Anthal, A. Jayashree, B. Narayana, B. K. Sarojini, RAJNI KANT*	Physics	IOSR Journal of Applied Physics	2018	2278-4861	www.iosrjournals.org	https://doi.org/10.9790/4861-1006023944	No
6	Polymorph of (E)-N'-(4-chlorobenzylidene)isonicotinohydrazide monohydrate	Jigmat Stondus, Sumati Anthal, A. Jayashree, B. Narayana, B. K. Sarojini and RAJNI KANT*	Physics	IUCr Data	2018	2414-3146	https://iucrdata.iucr.org	http://dx.doi.org/10.1107/S2414314618016346	Yes-Scopus

7	The chemical identity of '[Ag(py) ₂]MnO ₄ ' organic solvent soluble oxidizing agent and new synthetic routes for the preparation of [Ag(py) _n]XO ₄ (X = Mn, Cl, Re, n = 2-4) complexes	István E. Sajó, Gréta B. Kovács, Tibor Pasinszki, Petra A. Bombicz, Zoltán May, Imre M. Szilágyi, Anna Jánosity, Kalyan K. Banerji, <u>RAJNI KANT</u> and László Kótai	Physics	Journal of Coordination Chemistry	2018	0095-8972	https://www.tandfonline.com	https://doi.org/10.1080/00958972.2018.1493464	Yes
8	Crystal Structure of 2-amino-4-(4-hydroxyphenyl)-5,10-dihydro-4H-benzo[g]chromene-3-carbonitrile	D.K.Sharma, A. Jayashree B.Narayana, B.K.Sarojini, Sumati Anthal, <u>RAJNI KANT</u> *	Physics	IOSR Journal of Applied Physics	2018	2278-4861	www.iosrjournals.org	10.9790/4861-1004012933	No
9	One-pot Synthesis of Chiral Tetracyclic Dibenzo[b,f][1,4]oxazepine-fused	Sachin Choudhary, Amol Pawar, Jyothi Yadav, D.K.Sharma,	Physics	The Journal of Organic Chemistry	2018	0022-3263	https://pubs.acs.org	https://doi.org/10.1021/acs.joc.8b01232	Yes

	1,2-Dihydropyridines (DHPs) Under Metal-Free Conditions	<u>RAJNI KANT</u> and Indresh Kumar							
10	Synthesis and crystal structure of 3,3,6,6-tetramethyl-9-(2-hydroxyphenyl)-3,4,6,7,9,10-hexahydroacridine-1,8-dione”	Imran Hussein, Sumathi Anthal, MB Deshmukh, <u>RAJNI KANT*</u>	Physics	European Chemical Bulletin	2018	2063-5346	https://www.eurchembulletin.com	NA	Yes
11	Synthesis, Characterization, SCXR and DFT analysis of Disubstituted phosphorodithioates	Mandeep Kour, S. Kumar, A Feddag, Savit Andotra, A. Chouaih, V.K Gupta, <u>RAJNI KANT</u> , S. K Pandey		Journal of Molecular Structure	2018	0022-2860	https://www.journals.elsevier.com	Doi:10.1016/j.molstruc.2017.12.103	Yes
12	Synthesis, X-ray crystal structure studies and molecular docking analysis of 2-(3,4-dimethoxyphenyl)-4,5-diphenyl-1H-imidazole	Sumati Anthal, B. Narayana, B.K. Sarojini, <u>RAJNI KANT*</u>	Physics	Chemical Data Collections	2018	2405-8300	https://www.journals.elsevier.com/	https://doi.org/10.1016/j.cdc.2018.04.004	Yes

13	One-pot sequential multicomponent reaction between in situ generated aldimines and succinaldehyde: facile synthesis of substituted pyrrole-3-carbaldehydes and applications towards medicinally important fused heterocycles	Anoop Singh, N. A. Mir, Sachin Choudhary, Deepika Singh, Preetika Sharma, <u>RAJNI KANT</u> , Indresh Kumar	Physics	Royal Society of Chemistry Advances	2018	2046-2069	https://www.rsc.org/	https://doi.org/10.1039/C8RA01637B	Yes
14	Synthesis, X-ray structure and molecular docking analysis of two novel 1,2,4,5-tetrasubstituted imidazoles	R. Sharma, A. Jayashree, B. Naraana, B. K. Sarojini, C. Ravikumar, S. Murugavel, S. Anthal, <u>RAJNI KANT*</u>	Physics	International Journal of Biophysics	2018	2168-4979	http://www.sapub.org/	DOI: 10.5923/j.biophysics.20180801.02	Yes
15	Molecular modeling, spectroscopic investigations, and computational studies of dmsol solvated 7'-amino 1',3'-dimethyl-2,2',4'-trioxo-1',2',3',4',4a',8a'tetrahydrospiro[indoline-3,5'-pyrano[2,3-d]	S. Sharma, G. Brahmachari, A. Kumar, N. Misra, <u>RAJNI KANT</u> V. K. Gupta	Physics	Journal of Structural Chemistry	2018	0022-4766	https://www.springer.com	DOI: 10.1134/S0022476618010389	Yes

	Pyrimidine] -6'-carbonitrile								
16	Tert-butyl4-(3-(4-methoxy phenyl) pyrimidinequinolin-2-yl)pi perazine-1-carboxylate	S. Anthal, V..D. Singh, N.R. Desai, D.B. Arunakumar, S. Sreenivasa, Kamni and <u>RAJNI KANT*</u>	Physic s	IUCr Data	2018	2414-3146	https://iucrdata.iucr.org	http://dx.doi.org/10.1107/S2414314618004273	Yes-Scopus
17	Synthesis, crystal structure and intermolecular interactions in (2E)-1-(Anthracen-9-yl)-3-(3- nitrophenyl)prop-2-en-1-one	Ankit Raina, Vinutha V Salian, B. Narayana, B. K. Sarojini, <u>RAJNI KANT*</u>	Physic s	X-ray Structure Analysis Online	2018	1883-3578	http://www.jsac.or.jp	https://doi.org/10.2116/xraystruct.34.5	Yes
18	3-[6-(4-Methoxyphenyl)-2-methylpyrimidin-4-yl]-2-(4-methylpiperazin-1-yl)qu inoline	Vikram D. Singh, <u>SUMATI ANTHAL</u> , N. R. Desai, D. B. Arunakumar, S. Sreenivasa, Kamni, <u>RAJNI KANT*</u>	Physic s	IUCr Data	2018	2414-3146	https://iucrdata.iucr.org	http://dx.doi.org/10.1107/S241431461800305	Yes-Scopus

19	Crystal Structure and Molecular Docking Studies of Two Novel 1,2,4,5-Tetra Substituted Imidazoles Synthesized Through One Pot Four Component Reaction Using ZnO Nanoparticles as Catalyst	D.K.Sharma, Sumati Anthal, A. Jayashree B.Narayana, B K.Sarojini, C.R avikumar, S.Mu rugavel, <u>RAJNI KANT</u> *	Physics	Heterocyclic Communications	2018	0793-0283	https://publons.com/	https://doi.org/10.1515/hc-2017-0165	Yes
20	An Insight into the Crystallographic Aspects of Quinolines	D.K.Sharma, Sumati Anthal and <u>RAJNI KANT</u>	Physics	Journal of Basic & Applied Engineering Research	2018	2350-0255	http://www.cosmosimpactfactor.com/	NA	No
W21	Iodine-NH ₄ OAc mediated regioselective synthesis of 2-aryl-3-arylimidazo[1,2-a]pyridines from 1,3-diaryl-prop-2-en-1-ones	Dilpreet Kour, A. Gupta, Kamal K. Kapoor, V.K.Gupta, <u>RAJNI KANT</u> , D. Singh, Parthasarathi Das	Physics	Organic and Biomolecular Chemistry	2018	1477-0520	https://www.rsc.org	https://doi.org/10.1039/C7OB02750H	Yes
22	First measurement of jet mass in Pb–Pb and p–Pb	S. Acharya,..... Prof. Anju	Physics	<i>Phys.Lett.B</i> 776	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-	doi:10.1016/j.physletb.2017.11.044	yes

	collisions at the LHC	Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)		(2018) 249-264			b		
23	J/ψ production as a function of charged-particle pseudorapidity density in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	D. Adamová,.....Prof. Anju Bhasin,Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 776 (2018) 91-104	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2017.11.008	yes
24	D-meson azimuthal anisotropy in midcentral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreya Acharya,.....Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.Lett.</i> 120 (2018) 10, 102301	2018	0031-9007	https://journals.aps.org/prl	10.1103/PhysRevLett.120.102301	yes
25	π^0 and η meson production in proton-proton collisions at $\sqrt{s_{NN}}=8$ TeV	Shreya Acharya,.....Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal,	Physics	<i>Eur.Phys.J.C</i> 78 (2018) 3, 263	2018	1434-6044	https://www.springer.com/journal/10052	10.1140/epjc/s10052-018-5612-8	yes

		Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
26	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Rev.C 97 (2018) 2, 024906	2018	2469-9985	https://journals.aps.org/prc/	10.1103/PhysRevC.97.024906	yes
27	The ALICE Transition Radiation Detector: construction, operation, and performance	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Nucl.Instrum.Meth.A 881 (2018), 88-127	2018	0168-9002	https://www.sciencedirect.com/journal/nuclear-instruments-and-methods-in-physics-research-section-a-accelerators-spectrometers-detectors-and-associated-equipment	10.1016/j.nima.2017.09.028	yes
28	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Lett.B 777 (2018), 151-162	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	10.1016/j.physletb.2017.12.021	yes
29	Search for collectivity with azimuthal J/ψ hadron	S. Acharya, Prof. Anju	Physics	Phys.Lett.B 780 (2018), 7-20	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	10.1016/j.physletb.2018.02.039	yes

	correlations in high multiplicity p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV	Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)					ers-b		
30	Production of deuterons, tritons, ^3He nuclei and their antinuclei in pp collisions at $\sqrt{s_{NN}} = 0.9, 2.76$ and 7 TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Rev.C 97 (2018) 2, 024615	2018	2469-9985	https://journals.aps.org/prc/	10.1103/PhysRevC.97.024615	yes
31	Production of ^4He and $^4\overline{\text{He}}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Nucl.Phys.A 971 (2018), 1-20	2018	0375-9474	https://www.sciencedirect.com/journal/nuclear-physics-a	10.1016/j.nuclphysa.2017.12.004	yes
32	Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Phys.Lett.B 781 (2018), 20-32	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.03.051	yes

33	Scaling Properties of Multiplicity Fluctuations in the AMPT Model	Dr. Ramni Gupta	Physics	Advances in High Energy Physics	2018	1687-7365	https://www.hindawi.com/journals/ahep/	10.1155/2018/6283801	Yes
34	Measurement of Z^0 -boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.03.010	Yes
35	First measurement of Ξ^0 production in pp collisions at $\sqrt{s_{NN}}=7\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.03.061	Yes
36	Constraints on jet quenching in p-Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ measured by the event-activity dependence of semi-inclusive hadron-jet distributions	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018		https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.05.059	Yes
37	Λ^+_c production in pp collisions at $\sqrt{s_{NN}}=7\text{TeV}$	Shreya Acharya,.....	Physics	JHEP	2018	1029-8479	https://jhep.sissa.it/jhep/	10.1007/JHEP04(2018)108	Yes

	and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
38	Neutral pion and η meson production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Eur.Phys.J.C	2018	1434-6052	https://epjc.epj.org/	10.1140/epjc/s10052-018-6013-8	Yes
39	Prompt and non-prompt J/ψ production and nuclear modification at mid-rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Eur.Phys.J.C	2018	1434-6052	https://epjc.epj.org/	10.1140/epjc/s10052-018-5881-2	Yes
40	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE	Physics	JHEP	2018	1029-8479	https://jhep.sissa.it/jhep/	10.1007/JHEP11(2018)013	Yes

		Collaboration)							
41	Neutral pion and η meson production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$	Shreya Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	PHYSICAL REVIEW C	2018	2469-9993	https://journals.aps.org/prc/	10.1103/PhysRevC.98.044901	Yes
42	Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$	S. Acharya, Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	Physics Letters B	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.06.042	Yes
43	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 2.76 TeV	S. Acharya, Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	JHEP	2018	1029-8479	https://jhep.sissa.it/jhep/	10.1007/JHEP07(2018)103	Yes
44	ϕ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$	S. Acharya, Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et	Physics	Eur.Phys.J.C	2018	1434-6052	https://epjc.epj.org/	10.1140/epjc/s10052-018-6034-3	Yes

		al.,(ALICE Collaboration)							
45	Measurement of D^0 , D^+ , D^{*+} production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	S. Acharya, Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	JHEP	2018	1029-8479	https://jhep.sissa.it/jhep/	10.1007/JHEP10(2018)174	Yes
46	Anisotropic flow in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV.	S. Acharya, Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 784 (2018) 82-95	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.06.059	yes
47	Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 07 (2018) 160	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP07(2018)160	yes
48	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in ppp-Pb Collisions at $\sqrt{s_{NN}} = 5.02$	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev	Physics	<i>Phys.Rev.Lett.</i> 122 (2019) 7, 072301	2018	0031-9007	https://journals.aps.org/prl/	10.1103/PhysRevLett.122.072301	yes

	TeV	S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
49	Y suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}= 5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 790 (2019) 89-101	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.11.067	yes
50	Production of the $\rho(770)^0$ meson in pp and Pb-Pb collisions at $\sqrt{s_{NN}}= 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 6, 064901	2018	2469-9985	https://journals.aps.org/prc	10.1103/PhysRevC.99.064901	yes
51	Dielectron production in proton-proton collisions at $\sqrt{s}= 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 09 (2018) 064	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP09(2018)064	yes

52	Dielectron and heavy-quark production in inelastic and high-multiplicity proton–proton collisions at $\sqrt{s_{NN}}=13$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 788 (2019) 505-518	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.11.009	yes
53	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe–Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B</i> 790 (2019) 35-48	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.12.048	yes
54	Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s_{NN}}=8$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Eur.Phys.J.C</i> 78 (2018) 7, 562	2018	1434-6052	https://www.springer.com/journal/10052	10.1140/epic/s10052-018-6027-2	yes
55	Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof . Sanjeev S. Sambyal, Dr. Ramni	Physics	<i>Phys.Lett.B</i> 788 (2019) 166-179	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.10.052	yes

		Gupta.....et al.,(ALICE Collaboration)							
56	Suppression of $\Lambda(1520)\backslash\Lambda(1520)\Lambda(1520)$ resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}}= 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C 99 (2019) 024905</i>	2018	2469-9985	https://journals.aps.org/prc	10.1103/PhysRevC.99.024905	yes
57	Inclusive J/ψ production in Xe-Xe collisions at $\sqrt{s_{NN}}= 5.44$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B 785 (2018) 419-428</i>	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.08.047	yes
58	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}}= 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B 789 (2019) 308-322</i>	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.11.039	yes
59	<u>Anisotropic flow of identified particles in Pb-Pb</u>	Shreyasi Acharya,..... Prof. Anju	Physics	<i>JHEP 09 (2018)</i>	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP09(2018)112	yes

	<u>collisions at $\sqrt{s_{NN}}=5.02$</u>	Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)		006				<u>18)006</u>	
60	Measurements of low- $p_{T\{T\}}$ electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP 10 (2018) 061</i>	2018	1126-6708	https://jhep.sissa.it/jhep/	<u>10.1007/JHEP10(2018)061</u>	yes
61	Two particle differential transverse momentum and number density correlations in p-Pb and Pb-Pb at the LHC	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C 100 (2019) 4, 044903</i>	2018	2469-9985	https://journals.aps.org/prc	<u>10.1103/PhysRevC.100.044903</u>	yes
62	Analysis of the apparent nuclear modification in peripheral Pb-Pb collisions at 5.02 TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE	Physics	<i>Phys.Lett.B 793 (2019) 420-432</i>	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	<u>10.1016/j.physletb.2019.04.047</u>	yes

		Collaboration)							
63	p-p, p- Λ and Λ - Λ correlations studied via femtoscopy in pp reactions at $\sqrt{s_{NN}} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024001	2018	2469-9985	https://journals.aps.org/prc	10.1103/PhysRevC.99.024001	yes
64	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024002	2018	2469-9985	https://journals.aps.org/prc	10.1103/PhysRevC.99.024002	yes
<u>65</u>	<u>Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV</u>	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP</i> 10 (2018) 139	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP10(2018)139	yes
66	Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s_{NN}} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev	Physics	<i>Phys.Rev.C</i> 99 (2019) 2, 024906	2018	2469-9985	https://journals.aps.org/prc	10.1103/PhysRevC.99.024906	yes

		S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)							
67	Charged jet cross section and fragmentation in proton-proton collisions at $\sqrt{s} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Rev.D 99 (2019) 1, 012016</i>	2018	1550-7998	https://journals.aps.org/prd/	10.1103/PhysRevD.99.012016	yes
68	Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Eur.Phys.J.C 79 (2019) 5, 402</i>	2018	1434-6044	https://www.springer.com/journal/10052/	10.1140/epjc/s10052-019-6816-2	yes
69	Measuring $K_S^0 \rightarrow \pi^+ \pi^-$ interactions using pp collisions at $\sqrt{s_{NN}} = 7$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B 790 (2019) 22-34</i>	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.12.033	yes

70	Event-shape engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP 02 (2019) 150</i>	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP02(2019)150	yes
71	$\Lambda_c + \Lambda_c$ production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>Phys.Lett.B 793 (2019) 212-223</i>	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2019.04.046	yes
72	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s_{NN}}=7$ TeV pp and $\sqrt{s_{NN}}=5.02$ TeV p-Pb collisions	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni Gupta.....et al.,(ALICE Collaboration)	Physics	<i>JHEP 03 (2019) 169</i>	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP03(2019)169	yes
73	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Shreyasi Acharya,..... Prof. Anju Bhasin, Prof. Sanjeev S. Sambyal, Dr. Ramni	Physics	<i>JHEP 02 (2019) 012</i>	2018	1126-6708	https://jhep.sissa.it/jhep/	10.1007/JHEP02(2019)012	yes

		Gupta.....et al.,(ALICE Collaboration)							
74	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider	L. Adamczyk,.....Pr of. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.C 98 (2018) 3	2018	2469-9993	https://journals.aps.org/prc	10.1103/PhysRevC.98.034918	yes
75	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}}=7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV	L. Adamczyk,.....Pr of. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.Lett. 121 (2018) 3	2018	1079-7114	https://journals.aps.org/prl	10.1103/PhysRevLett.121.032301	yes
76	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s}=500$ GeV	Leszek Adamczyk,.....Pr of. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.D 97 (2018) 3	2018	2470-0029	https://journals.aps.org/prd	10.1103/PhysRevD.97.032004	yes
77	Beam-Energy Dependence of Directed Flow of $\Lambda, \bar{\Lambda}, K_s^0, K^\pm$ and ϕ in Au+Au Collisions	Leszek Adamczyk,.....Pr of. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.Lett. 120 (2018) 6	2018	1079-7114	https://journals.aps.org/prl	10.1103/PhysRevLett.120.062301	yes
78	Collision Energy Dependence of Moments of Net-Kaon Multiplicity Distributions at RHIC	L. Adamczyk,.....Pr of. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Lett.B 785 (2018) 551-560	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.07.066	yes

79	Measurement of the $^3\Lambda\text{H}$ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider	L. Adamczyk,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)		Phys.Rev.C 97 (2018) 5	2018	2469-9993	https://journals.aps.org/prc	10.1103/PhysRevC.97.054909	yes
80	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in p↑+p collisions at $\sqrt{s_{\text{NN}}}$ = 500 GeV	L. Adamczyk,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Lett.B 780 (2018) 332-339	2018	0370-2693	https://www.journals.elsevier.com/physics-letters-b	10.1016/j.physletb.2018.02.069	yes
81	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{\text{NN}}}$ = 200 GeV	Leszek Adamczyk,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.C 98 (2018) 1	2018	2469-9993	https://journals.aps.org/prc	10.1103/PhysRevC.98.014915	yes
82	Beam energy dependence of rapidity-even dipolar flow in Au+Au collisions	J. Adam,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Physics Letters B 784 (2018)	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	https://doi.org/10.1016/j.physletb.2018.07.013	Yes
83	Longitudinal Double-Spin Asymmetries for π^0 s in the Forward Direction for 510 GeV Polarized pp Collisions	Jaroslav Adam,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Rev.D 98 (2018) 3	2018	2470-0010	https://journals.aps.org/prd	https://doi.org/10.1103/PhysRevD.98.032013	Yes
84	J/ψ production cross section and its dependence on charged-particle multiplicity in p+p collisions at $\sqrt{s_{\text{NN}}}$ = 200 GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Phys.Lett.B 786 (2018) 87-93	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	https://doi.org/10.1016/j.physletb.2018.09.029	Yes

		Collaboration)							
85	Correlation Measurements Between Flow Harmonics in Au+Au Collisions at RHIC	J. Adam,..... Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	<i>Phys.Lett.B</i> 783 (2018)	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	https://doi.org/10.1016/j.physletb.2018.05.076	Yes
86	Transverse spin transfer to Λ and Λ^- hyperons in polarized proton-proton collisions at $\sqrt{s_{NN}}=200\text{GeV}$	J. Adam,..... Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	<i>Phys.Rev. D</i> 98, 091103	2018	2470-0010	https://journals.aps.org/prd	https://doi.org/10.1103/PhysRevD.98.091103	Yes
87	Low- p_T e^+e^- pair production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV and U+U collisions at $\sqrt{s_{NN}} = 193$ GeV at STAR	Jaroslav Adam,.....Prof. Anju Bhasin...et al.,(STAR Collaboration)	Physics	<i>Phys. Rev. Lett.</i> 121, 132301	2018	0031-9007	https://journals.aps.org/prl	https://doi.org/10.1103/PhysRevLett.121.132301	Yes
88	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $\sqrt{s_{NN}} = 200$ GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	<i>Phys.Rev.D</i> 98 (2018) 3	2018	2470-0010	https://journals.aps.org/prd	https://doi.org/10.1103/PhysRevD.98.032011	Yes

89	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in p↑+p collisions at $\sqrt{s_{NN}} = 500$ GeV	L. Adamczyk,..... Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	<i>Phys.Lett.B</i> 780 (2018) 332-339	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	https://doi.org/10.1016/j.physletb.2018.02.069	Yes
90	Collision Energy Dependence of Moments of Net-Kaon Multiplicity Distributions at RHIC	L. Adamczyk,..... Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	Physics Letters B 785 (2018) 551–560	2018	0370-2693	https://www.sciencedirect.com/journal/physics-letters-b	https://doi.org/10.1016/j.physletb.2018.07.066	Yes
91	Improved measurement of the longitudinal spin transfer to Λ & $\Lambda^{\bar{}}$ hyperons in polarized proton-proton collisions at $\sqrt{s_{NN}} = 200$ GeV	Jaroslav Adam,.....Prof. Anju Bhasin....et al.,(STAR Collaboration)	Physics	<i>Phys.Rev.D</i> 98 (2018) 11	2018	2470-0010	https://journals.aps.org/prd	https://doi.org/10.1103/PhysRevD.98.112009	Yes
92	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion	L. Adamczyk,.....Prof. Anju Bhasin....et al.,(STAR	Physics	Phys. Rev. C 98, (2018)	2018	2469-9993	https://journals.aps.org/prc	https://doi.org/10.1103/PhysRevC.98.034918	Yes

	Collider	Collaboration)							
93	X-Ray Study of 7a-(2-Chlorophenyl)-7a,8a,9,10,11,12ahexadronaptho [1',2':4,5]furo[3,2- <i>d</i>]pyrrolo[2,1- <i>b</i>]oxazole and 2-(4-fluorophenyl)-2-hydroxynaptho[2,1- <i>b</i>]furan-1(2 <i>H</i>)-one	Balbir Kumar, Narsaiah Battini, Qazi Naveed Ahmed, Asif Ali and Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>Crystallography Reports</i>	2018	1063-7745	https://www.springer.com/journal/11445	https://link.springer.com/article/10.1134/S1063774518030045	Yes
94	Crystal Structure of Ethyl 6-Amino-5-cyano-4-(4-fluorophenyl)-2,4-dihydropyrano[2,3- <i>c</i>]pyrazole-3-carboxylate	Balbir Kumar, Bubun Banerjee, Goutam Brahmachari, and Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>Crystallography Reports</i>	2018	1063-7745	https://www.springer.com/journal/11445	https://link.springer.com/article/10.1134/S1063774518030057	Yes

95	Synthesis, crystal structure and DFT calculations of copper(I) complex of 2-nitrobenzaldehyde-N 1 – methylthiosemicarbazone	Dharmender Sharma, Suman Maji, Vivek K. Gupta & Rekha Sharma	Post-Graduate Department of Physics, University of Jammu	<i>Indian Journal of Chemistry</i>	2018	0975-0975	http://op.niscair.res.in	http://op.niscair.res.in/index.php/IJCA/article/view/17112/465478161	Yes
96	Crystallographic structure analysis of 4-phenoxy-2-(4-(trifluoromethyl)phenyl) Quinazoline	Balbir Kumar, Naresh Sharma, Asif Ali, and Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>AIP Conference Proceedings</i>	2018	1551-7616	https://aip.scitation.org/journal/apc	https://aip.scitation.org/doi/abs/10.1063/1.5051271	Yes
97	Camphor sulphonic acid mediated quantitative 1,3–diol protection of major Labdane diterpenes isolated from <i>Andrographis paniculata</i>	Venu Sharma, Kamal K. Kapoor, Debaraj Mukherjee, Vivek K. Gupta, Manoj	Post-Graduate Department of Physics	<i>Natural Product Research</i>	2018	14786427	https://www.tandfonline.com/toc/gnpl20/current	https://www.tandfonline.com/doi/full/10.1080/14786419.2017.1402313?casa_token=pnqx7Z0YL8AAAAAA%3AhzPDGxqt8WnZkXIr	Yes

		K. Dhar and Sanjana Kaul	s, University of Jammu					GA7pMBe-Wk807 EI0f1Q7e0NjMRtw a7khcNI-eQVa_aA V2oQdqIgt7NUjN1 bwYA	
98	Synthesis, characterization, single crystal X-ray and DFT analysis of disubstituted phosphorodithioates	M.Kour, S.Kumar, A.Feddag, S.Andotra, A.Chouaih,, Vivek K.Gupta, R Kant, S.K.Pandey	Post-Graduate Department of Physics, University of Jammu	<i>Journal of Molecular Structure</i>	2018	0022-2860	www.journals.elsevier.com/journal-of-molecular-structure	https://www.sciencedirect.com/science/article/abs/pii/S002286017317234	Yes
99	A new clerodane furano diterpene glycoside from <i>Tinospora cordifolia</i> triggers autophagy and apoptosis in HCT-116 colon cancer cells	N. Sharma, A. Kumar, P.R. Sharma, A. Qayum, S. K. Singh, P. Dutt, S. Paul, Vivek K. Gupta, M. K. Verma, N.K.	Post-Graduate Department of Physics,	<i>J. Ethnopharmacol</i>	2018	0378-8741	https://www.journals.elsevier.com/journal-of-ethnopharmacology	https://www.sciencedirect.com/science/article/abs/pii/S0378874117325278	Yes

		Satti, and R. Vishwakarma,	University of Jammu						
100	Iodine–NH ₄ OAc mediated regioselective synthesis of 2-aryl-3-aryl imidazo[1,2-a]pyridines from 1,3-diaryl-prop-2-en-1-ones	D. Kour, A. Gupta, K. K. Kapoor, Vivek K. Gupta, R. Kant, D. Singh and P. Das	Post-Graduate Department of Physics, University of Jammu	<i>Organic and Biomolecular Chemistry</i>	2018	1477-0520	https://www.rsc.org/journals-books-databases/about-journals/organic-biomolecular-chemistry/	https://pubs.rsc.org/en/content/articlelanding/2018/ob/c7ob02750h/unauth	Yes
101	Molecular modeling, spectroscopic investigations, and computational studies of DMSO Solvated 7-amino-1,3-dimethyl-2,2,4-trioxo-1,2,3,4,4a,8a-tetrahydrospiro[indoline-3,5-pyrano[2,3-d]pyrimidine]-6-carbonitrile	Sakshi Sharma, G. Brahmachari, A. Kumar, N. Misra, R. Kant, Vivek K. Gupta	Post-Graduate Department of Physics, University of Jammu	<i>Journal of Structural Chemistry</i>	2018	0022-4766	https://www.pleiades.online/en/journal/jory/	https://link.springer.com/article/10.1134/S0022476618010389	Yes

102	Stereoselective Synthesis of 3,4-Di-substituted Mercaptolactones via Photoredox-Catalyzed Radical Addition of Thiophenols	Farzana Kouser, Vijay Kumar Sharma, Masood Rizvi, Shaista Sultan, Neha Chalotra, Vivek K. Gupta, Utpal Nandi and Bhahwal Ali Shah.	Post-Graduate Department of Physics, University of Jammu	<i>Tetrahedron Letters</i>	2018	0040-4039	https://www.journals.elsevier.com/tetrahedron-letters	https://www.sciencedirect.com/science/article/abs/pii/S0040403918305161	Yes
103	Investigation of quasi-particle structure of proton-hole indium nuclei	Singh, Suram; Kumar, Amit; Gupta, Surbhi; Bharti, Arun; Bhat, G. H.; Sheikh, J. A.	Physics	European Physical Journal Plus	2018	2190-5444	https://www.springer.com/journal/13360	https://link.springer.com/article/10.1140/epjp/i2018-12271-y	Yes

104	Projected Shell Model Description of Positive Parity Band of ^{130}Pr Nucleus	Singh, Suram;Kumar, Amit;Singh, Dhanvir;Sharma, Chetan;Bharti, Arun;Bhat, G. H.;Sheikh, J. A.	Physics	Brazilian Journal of Physics	2018	1678-4448	https://www.springer.com/journal/13538	https://link.springer.com/article/10.1007/s13538-017-0541-9	Yes
105	Preparation mechanism for neodymium doped strontium phosphate and its spectroscopic, optical and electrical characteristics	Bindu Raina, Seema Verma, Goldy Slathia, Rashmi Gupta, K. K. Bamzai	Department of Physics	International Journal of ChemTech Research	2018	2455-9563	https://sphinx.sai.com/index.htm	10.20902/IJCTR.2018.110813	Scopus
106	Effect of Ni addition on PNZT tungsten bronze structure	Rashmi Gupta, Deepa Singh, Ranjan K Singh, K. K. Bamzai	Department of Physics	Journal of Electroceramics	2018	1385-3449	https://www.springer.com/journal/10832	10.1007/s10832-018-0125-2	Scopus
107	Preparation, structural, spectroscopic and magneto-electric properties of multiferroic cadmium doped neodymium manganite	Vandana Gupta, Bindu Raina, K. K. Bamzai	Department of Physics	Journal of Materials Science: Materials in Electronics	2018	0957-4522	https://www.springer.com/journal/10854	10.1007/s10854-018-8913-7	Scopus

108	Structural, optical, electrical and thermal characteristics of $\text{La}\{\text{CS}(\text{NH}_2)_2\text{CO}(\text{NH}_2)_2\}\text{Cl}_3$: A novel hybrid complex for optoelectronic applications	Goldy Slathia, K. K. Bamzai	Department of Physics	Materials Science and Engineering B	2018	0921-5107	https://www.journals.elsevier.com/materials-science-and-engineering-b	10.1016/j.mseb.2018.12.017	Scopus
109	Study of yrast bands and electromagnetic properties in neutron-rich $^{114-128}\text{Cd}$ isotope	Ritu Chaudhary, Rakesh K. Pandit, Rani Devi and S.K. Khosa	Physics	Nuclear Physics A	2018	ISSN: 0375-9474	https://www.sciencedirect.com/journal/nuclear-physics-a	https://doi.org/10.1016/j.nuclphysa.2017.11.003	UGC Care list/Scopus/ Web of Science
110	Study of structure of yrast bands of neutron rich $^{114-124}\text{Pd}$ isotopes	Ritu Chaudhury, Rani Devi and S. K. Khosa	Physics	The European Physical Journal Plus	2018	ISSN: 2190-5444 (Electronic Edition)	https://epjplus.epj.org/	https://doi.org/10.1140/epjp/i2018-11902-7	UGC Care list/Scopus/ Web of Science
111	Performance analysis of ZnO and HfO ₂ micro-pillars based capacitive antennas	Rajat Arora, Shashi B Rana, Sandeep Arya	Physics	Journal of Electromagnetic Waves and Applications	2018	0920-5071	https://www.tandfonline.com/toc/tewa20/current	https://www.tandfonline.com/doi/abs/10.1080/09205071.2017.1415823?journalCode=tewa20	
112	Sol-gel synthesis of Cu-doped p-CdS nanoparticles and their analysis as p-CdS/n-ZnO thin film photodiode	Sandeep Arya, Asha Sharma, Bikram Singh, Mohammad Riyas, Pankaj Bandhoria, Mohammad Aatif, Vinay Gupta	Physics	Optical Materials	2018	0925-3467	journals.elsevier.com/optical-materials	https://www.sciencedirect.com/science/article/abs/pii/S0925346718301629	

113	Electrochemical detection of ammonia solution using tin oxide nanoparticles synthesized via sol-gel route	S Arya, M Riyas, A Sharma, B Singh, Prerna, P Bandhoria, S Khan, V Bharti	Physics	Applied Physics A	2018	0947-8396	https://www.springer.com/journal/339	https://link.springer.com/article/10.1007/s00339-018-1968-8	
114	Performance analysis of Wi-Fi shaped SIW antennas	Rajat Arora, Shashi B Rana, Sandeep Arya	Physics	AEU-International Journal of Electronics and Communications	2018	1434-8411	https://www.journals.elsevier.com/aeu-international-journal-of-electronics-and-communications	https://www.sciencedirect.com/science/article/abs/pii/S1434841118304333	