



SCI Published Papers 2019

Sl No	Name of the Faculty	Chicago format	Link to the relevant document
1	Alla, S.K., Duvuru, H.B., Shaw, S.K., Prasad, B.B.V.S.V., Kumar, M.K., Meena, S.S., Gupta, N., Prasad, N.K.	Alla, S. K., Hima Bindu Duvuru, S. K. Shaw, BBVS Vara Prasad, M. K. Kumar, Sher Singh Meena, Nidhi Gupta, and N. K. Prasad. "Zr-substituted cobalt oxide nanoparticles: structural, magnetic and electrical properties." <i>Journal of Materials Science: Materials in Electronics</i> 30, no. 22 (2019): 20088-20098.	https://doi.org/10.1007/s10854-019-02381-y
2	Dhanalakshmi, B., Vivekananda, K.V., Rao, B.P., Rao, P.S.V.S.	Dhanalakshmi, B., K. V. Vivekananda, B. Parvatheeswara Rao, and PSV Subba Rao. "Superparamagnetism in Bi0.95Mn0.05FeO3–Ni0.5Zn0.5Fe2O4 multiferroic nanocomposites." <i>Physica B: Condensed Matter</i> 571 (2019): 5-9.	DOI: 10.1016/j.physb.2019.06.058
3	Raveendra Kiran, M., Ulla, H., Satyanarayan, M.N., Umesh, G.	Kiran, M. Raveendra, Hidayath Ulla, M. N. Satyanarayan, and G. Umesh. "Optoelectronic properties of hybrid diodes based on vanadyl-phthalocyanine and zinc oxide nanorods thin films." <i>Optical Materials</i> 96 (2019): 109348.	DOI: 10.1016/j.optmat.2019.109348
4	Bindu Duvuru, H., Alla, S.K., Shaw, S.K., Meena, S.S., Gupta, N., Prasad, B.B.V.S.V., Kothawale, M.M., Kumar, M.K., Prasad, N.K.	Duvuru, H. Bindu, S. K. Alla, S. K. Shaw, Sher Singh Meena, Nidhi Gupta, BBVS Vara Prasad, M. M. Kothawale, M. K. Kumar, and N. K. Prasad. "Magnetic and dielectric properties of Zn substituted cobalt oxide nanoparticles." <i>Ceramics International</i> 45, no. 13 (2019): 16512-16520.	https://doi.org/10.1016/j.ceramint.2019.05.185
5	Naveen Kumar, N., Janaki Ram, G.D., Bhattacharya, S.S.	Kumar, N. Naveen, GD Janaki Ram, and S. S. Bhattacharya. "Spark Plasma Sintering of Graded Dissimilar Metals." <i>Transactions of the Indian Institute of Metals</i> 72, no. 7 (2019): 1837-1852.	https://doi.org/10.1007/s12666-019-01662-8
6	Srivastava, M., Alla, S.K., Meena, S.S., Gupta, N., Mandal, R.K., Prasad, N.K.	Srivastava, M., S. K. Alla, Sher Singh Meena, Nidhi Gupta, R. K. Mandal, and N. K. Prasad. "Magnetic field regulated, controlled hyperthermia with $\text{Li}_x\text{Fe}_{3-x}\text{O}_4$ ($0.06 \leq x \leq 0.3$) nanoparticles." <i>Ceramics International</i> 45, no. 9 (2019): 12028-12034.	DOI: 10.1016/j.ceramint.2019.03.097
7	Sathish, Rafi, S.M., Shaik, H., Madhavi, P., Kosuri, Y.R., Sattar, S.A., Kumar, K.N.	Rafi, Shaik Mohammad, Habibuddin Shaik, P. Madhavi, Yellaeswara Rao Kosuri, Sheik Abdul Sattar, and K. Naveen Kumar. "Critical investigation on Cu-O bonding configuration variation in copper-oxide thin films for low-cost	https://doi.org/10.1016/j.mssp.2019.02.023

		solar cell applications." <i>Materials Science in Semiconductor Processing</i> 96 (2019): 127-131.	
8	Bali, S.K., Munagala, S., Gundavarapu, V.N.K.	Bali, Sravana Kumar, Suryakalavathi Munagala, and Venkata Nagesh Kumar Gundavarapu. "Harmony search algorithm and combined index-based optimal reallocation of generators in a deregulated power system." <i>Neural Computing and Applications</i> 31, no. 6 (2019): 1949-1957.	https://doi.org/10.1007/s00521-017-3177-3
9	Ayyappadas, C., Muthuchamy, A., Kumar, N.N., Agrawal, D.K., Raja Annamalai, A.	Ayyappadas, C., A. Muthuchamy, Naveen Kumar, Dinesh K. Agrawal, and A. Raja Annamalai. "An investigation on tribological and electrical behaviour of conventional and microwave processed copper-graphite composites." <i>Materials Research Express</i> 6, no. 6 (2019): 066573.	https://iopscience.iop.org/article/10.1088/2053-1591/ab1027
10	Swathi, K.V.R., Kumar, G.V.N.	Swathi, K. V. R., and GV Nagesh Kumar. "Design of intelligent controller for reduction of chattering phenomenon in robotic arm: A rapid prototyping." <i>Computers & Electrical Engineering</i> 74 (2019): 483-497.	https://doi.org/10.1016/j.compeleceng.2017.12.010
11	Gangu, K.K., Maddila, S., Mukkamala, S.B., Jonnalagadda, S.B.	Gangu, Kranthi Kumar, Suresh Maddila, Saratchandra Babu Mukkamala, and Sreekantha B. Jonnalagadda. "Catalytic activity of supra molecular self-assembled Nickel (II) coordination complex in synthesis of indeno-pyrimidine derivatives." <i>Polyhedron</i> 158 (2019): 464-470.	https://doi.org/10.1016/j.poly.2018.11.041