Taj Khan

List of Publications by Year
in descending order

37 papers	580 citations	759233 12 h-index	642732 23 g-index
37 all docs	37 docs citations	37 times ranked	694 citing authors

#	Article	IF	Citations
1	Chemical Analysis of Thermoluminescent Colorless Topaz Crystal Using Laser-Induced Breakdown Spectroscopy. Minerals (Basel, Switzerland), 2021, 11, 367.	2.0	4
2	Theoreticalâ€“Computational Study of Atmospheric DBD Plasma and Its Utility for Nanoscale Biocompatible Plasmonic Coating. Molecules, 2021, 26, 5106.	3.8	6
3	Optical and electrical properties of NiO and Cu-doped NiO thin films synthesized by spray pyrolysis. Optical Materials, 2021, 119, 111369.	3.6	57
4	Synthesis, characterization and antibacterial performance of transparent c-axis oriented Al doped ZnO thin films. Surfaces and Interfaces, 2021, 27, 101452.	3.0	5
5	Detection and Quantification of Precious Elements in Astrophyllite Mineral by Optical Spectroscopy. Materials, 2021, 14, 6277.	2.9	4
6	A new strategy of using dielectric barrier discharge plasma in tubular geometry for surface coating and extension to biomedical application. Review of Scientific Instruments, 2020, 91, 073902.	1.3	6
7	Silver nanoparticle films by flowing gas atmospheric pulsed laser deposition and application to surfaceâ€enhanced Raman spectroscopy. International Journal of Energy Research, 2020, 44, 11443-11452.	4.5	4
8	Compositional Analysis of Chalcopyrite Using Calibration-Free Laser-Induced Breakdown Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 6848.	2.5	6
9	Enhancement of optical signal and characterization of palladium plasma by magnetic field-assisted laser-induced breakdown spectroscopy. Optik, 2020, 224, 165746.	2.9	11
10	Quantification of elemental composition of Granite Gneiss collected from Neelum Valley using calibration free laser-induced breakdown and energy-dispersive X-ray spectroscopy. Journal of Radiation Research and Applied Sciences, 2020, 13, 362-372.	1.2	7
11	In vitro bactericidal, antidiabetic, cytotoxic, anticoagulant, and hemolytic effect of green-synthesized silver nanoparticles using Allium sativum clove extract incubated at various temperatures. Green Processing and Synthesis, 2020, 9, 538-553.	3.4	15
12	Electron Affinity and Bandgap Optimization of Zinc Oxide for Improved Performance of ZnO/Si Heterojunction Solar Cell Using PC1D Simulations. Electronics (Switzerland), 2019, 8, 238.	3.1	70
13	Whatâ€™s new in laser based nanofabrication for the fast uptake in industrial application. Materials Science Materials Review, 2019, 3, .	0.1	1
14	Atmospheric DBD Plasma Source in Play for SERS Active Substrates. Biomedical Journal of Scientific & Technical Research, 2019, 14, .	0.1	1
15	Preparation and physical properties of functional barium carbonate nanostructures by a facile composite-hydroxide-mediated route. Nanomaterials and Nanotechnology, 2018, 8, 184798041876177.	3.0	18
16	Atmospheric-PLD as a New Trend for Nanofabrication in Nanotechnology. Research & Development in Material Science, 2018, 8, .	0.1	1
17	Thickness uniformity and optical/structural evaluation of RF sputtered ZnO thin films for solar cell and other device applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	10
18	Spatial Thickness Uniformity and Structural Evaluation of RF Sputtered ZnO Thin Films for Solar Cell. , 2017, , .		1

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19	Composite-hydroxide-mediated approach an effective synthesis route for BaTiO3 functional nanomaterials. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
20	Synthesis And Doping Feasibility Of Composite-hydroxide-mediated Approach For The Cu1-xZnxO Nanomaterials. Advanced Materials Letters, 2016, 7, 561-566.	0.6	14
21	Optoelectronic properties and temperature dependent mechanisms of composite-hydroxide-mediated approach for the synthesis of CdO nanomaterials. Electronic Materials Letters, 2015, 11, 366-373.	2.2	34
22	Annealing-induced effects on structural and optical properties of Cd1âˆ'xZnxS thin films for optoelectronic applications. Materials Science-Poland, 2015, 33, 677-684.	1.0	5
23	Synthesis and optical study of heat-treated ZnO nanopowder for optoelectronic applications. Bulletin of Materials Science, 2015, 38, 1851-1858.	1.7	24
24	Into the nature of Pd-dopant induced local phonon modes and associated disorders in ZnO; based on spatial correlation model. Materials Chemistry and Physics, 2015, 153, 248-255.	4.0	10
25	Mechanisms Of Composite-hydroxide-mediated Approach For The Synthesis Of Functional ZnO Nanostructures And Morphological Dependent Optical Emissions. Advanced Materials Letters, 2015, 6, 592-599.	0.6	9
26	Effects of Cu incorporation on physical properties of ZnTe thin films deposited by thermal evaporation. Materials Science in Semiconductor Processing, 2014, 19, 17-23.	4.0	29
27	A comparative study of physical properties of pure and In-doped nanostructured ZnO polycrystalline thin film for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2014, 25, 1673-1680.	2.2	6
28	Study of excitonic UV emission stability, green luminescence and bandgap tune-ability in wurtzite (ZnO)1âˆ'x (Cr2O3)x composite. Vacuum, 2014, 105, 1-6.	3.5	4
29	Optoelectronic study and annealing stability of room temperature pulsed laser ablated ZnSe polycrystalline thin films. Journal of Luminescence, 2014, 147, 97-106.	3.1	23
30	Studies on the complex behavior of optical phonon modes in wurtzite (ZnO)1âˆ'x (Cr2O3) x. Applied Physics A: Materials Science and Processing, 2014, 117, 1275-1282.	2.3	11
31	Effect of substrate biasing and temperature on AlN thin film deposited by cathodic arc ion. Materials Science in Semiconductor Processing, 2013, 16, 640-646.	4.0	11
32	Tunability of physical properties of (Cd:Zn)S thin film by Close Space Sublimation Process (CSSP). Progress in Natural Science: Materials International, 2012, 22, 281-287.	4.4	24
33	Compatibility and optoelectronic of ZnSe nano crystalline thin film. Chinese Physics B, 2012, 21, 097303.	1.4	8
34	Growth and characterization of Ni:DLC composite films using pulsed laser deposition technique. Materials Chemistry and Physics, 2011, 126, 649-654.	4.0	22
35	Synthesis of thermally evaporated ZnSe thin film at room temperature. Thin Solid Films, 2011, 519, 5971-5977.	1.8	52
36	Effect of thermal annealing on the structural and optical properties of ZnO thin films deposited by the reactive e-beam evaporation technique. Physica Scripta, 2010, 82, 065801.	2.5	64

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37	THERMAL ANNEALING OF MICRO-OXIDIZED ZINC NITRIDE SPUTTERED THIN FILMS FOR CONVERSION INTO CRYSTALLINE ZnO. Surface Review and Letters, 0, , .	1.1	0