

Manish Kumar Singh

List of Publications by Year in descending order

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36
papers

421
citations

933447

10
h-index

752698

20
g-index

36
all docs

36
docs citations

36
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechano-chemical synthesis, thermal stability and phase evolution in AlCoCrFeNiMn high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2018, 757, 87-97.	5.5	92
2	Green synthesis of silver nanoparticle-reduced graphene oxide using Psidium guajava and its application in SERS for the detection of methylene blue. <i>Applied Surface Science</i> , 2017, 406, 312-318.	6.1	90
3	Auto-combustion synthesis and properties of Ce _{0.85} Gd _{0.15} O _{1.925} for intermediate temperature solid oxide fuel cells electrolyte. <i>Solid State Ionics</i> , 2011, 192, 431-434.	2.7	24
4	Synthesis and characterization of Sn reinforced Al-Cu-Fe quasicrystalline matrix nanocomposite by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1280-1287.	5.5	23
5	Crystallite size induced bandgap tuning in WO ₃ derived from nanocrystalline tungsten. <i>Scripta Materialia</i> , 2020, 176, 47-52.	5.2	20
6	Defect mediated magnetic transitions in Fe and Mn doped MoS ₂ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15817-15823.	2.8	19
7	Porous and highly conducting cathode material PrBaCo ₂ O ₆ : bulk and surface studies of synthesis anomalies. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14701-14712.	2.8	16
8	Synthesis of rod-shaped Au-Cu intermetallic nanoparticles and SERS detection. <i>Materials Letters</i> , 2019, 249, 33-36.	2.6	13
9	Role of Oxygen on Chemical Segregation in Uncapped Ge ₂ Sb ₂ Te ₅ Thin Films on Silicon Nitride. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 054007.	1.8	11
10	Kinetically constraint zero- and one-dimensional heteroepitaxial island growth. <i>Applied Physics Letters</i> , 2007, 90, 101914.	3.3	10
11	Localized surface plasmon behavior of Ag-Cu alloy nanoparticles stabilized by rice-starch and gelatin. <i>AIP Advances</i> , 2015, 5, 107108.	1.3	10
12	Synthesis of anisotropic Au-Cu alloy nanostructures and its application in SERS for detection of methylene blue. <i>Materials Research Express</i> , 2020, 7, 015052.	1.6	10
13	Effects on surface-enhanced Raman scattering from copper nanoparticles synthesized by laser ablation. <i>Radiation Effects and Defects in Solids</i> , 2020, 175, 332-341.	1.2	10
14	Phase evolution and structural modulation during in situ lithiation of MoS ₂ , WS ₂ and graphite in TEM. <i>Scientific Reports</i> , 2021, 11, 9014.	3.3	10
15	Growth morphology and special diffraction characteristics of multifaceted gold nanoparticles. <i>Micron</i> , 2017, 94, 46-52.	2.2	9
16	In situ TEM study of crystallization and chemical changes in an oxidized uncapped Ge ₂ Sb ₂ Te ₅ film. <i>Journal of Applied Physics</i> , 2020, 128, 124505.	2.5	7
17	Stabilization of Nanocrystalline Silver by Sella and Mansoori Rice Starch. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 239-245.	1.5	6
18	Vacancy-mediated structural changes in Au-Cu nanoparticles. <i>Philosophical Magazine Letters</i> , 2018, 98, 97-106.	1.2	6

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19	Eriochrome Black T sensing using silver nanoparticle-reduced graphene oxide composite via luminescent "turn-off" mechanism and its biosorption on guava (Psidium guajava) leaf powder. Graphene Technology, 2019, 4, 41-51.	1.9	6
20	Direct Observation of Phase Transformations in Ge-Sb-Te Materials. Microscopy and Microanalysis, 2020, 26, 1418-1420.	0.4	5
21	Determination of symmetry breaking transitions and polymorphism in Au Cu nanostructures by nano-beam electron diffraction. Materials Characterization, 2019, 154, 437-448.	4.4	4
22	Defect Imaging and Structure Evolution in GST Films During In-situ Heating. Microscopy and Microanalysis, 2020, 26, 1396-1398.	0.4	4
23	Structures of Layered Materials After Reaction with Li/Na. Microscopy and Microanalysis, 2020, 26, 2356-2357.	0.4	3
24	HRTEM and EELS Studies on the Structural and Chemical Modification of MoS ₂ and Graphite During In-situ Reactions with Li and Na. Microscopy and Microanalysis, 2020, 26, 2410-2412.	0.4	3
25	Self-assembly of arsenic nanoparticles into magnetic nanotubules and their SERS activity. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	3
26	Direct Visualization of the Earliest Stages of Crystallization. Microscopy and Microanalysis, 2021, 27, 659-665.	0.4	2
27	Effect of surface nanostructuring in solution treated and thermally aged condition on LCF life of AA7075. Surface and Coatings Technology, 2020, 404, 126431.	4.8	1
28	Microstructural Evolution of Chessboard like Nanodomains in Mn-doped ZnGaO ₄ Spinel. Microscopy and Microanalysis, 2021, 27, 2418-2419.	0.4	1
29	In-situ TEM Studies of Structural Modification in WS ₂ during Intercalation of Li and Na. Microscopy and Microanalysis, 2021, 27, 654-656.	0.4	1
30	Characterizing Li in partially lithiated layer materials using atomic-resolution imaging, modeling, and simulation. Journal of the American Ceramic Society, 2022, 105, 1581.	3.8	1
31	Rice extract assisted green synthesis of Au nanoparticles: Catalytic and SERS activities. Surface Review and Letters, 0, , .	1.1	1
32	Reversible Phase Transformations during In-Situ Heating of Uncapped Ge ₂ Sb ₂ Te ₅ Films. Microscopy and Microanalysis, 2021, 27, 2412-2414.	0.4	0
33	TEM Studies of Nanoscale Phase Transformation during in-situ reaction of Li with 2D Materials (MoS ₂). Tj ETQq1 1 0.784314 JgBT /Over	0.4	0
34	Investigation of Phase Transformations in Ge ₄ Sb ₄ Te ₅ film using Transmission Electron Microscopy. Microscopy and Microanalysis, 2021, 27, 1240-1242.	0.4	0
35	Decrypting commensurate modulation, superstructure and inversion domain boundary in bismuth transition metal oxide through transmission electron microscopy. Microscopy and Microanalysis, 2021, 27, 3402-3404.	0.4	0
36	TEM Studies of Segregation in a Ge-Sb-Te Alloy During Heating. Springer Proceedings in Materials, 2021, , 105-114.	0.3	0