

Manish Kumar Singh

List of Publications by Year in descending order

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papers

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36
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36
docs citations

36
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Phase evolution and structural modulation during in situ lithiation of MoS ₂ , WS ₂ and graphite in TEM. Scientific Reports, 2021, 11, 9014.	3.3	10
3	Direct Visualization of the Earliest Stages of Crystallization. Microscopy and Microanalysis, 2021, 27, 659-665.	0.4	2
4	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
5	TEM Studies of Nanoscale Phase Transformation during in-situ reaction of Li with 2D Materials (MoS ₂), Tj ETQq1 1 0.784314 0.4 0.6 BT /Over	0.4	0
6	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
7	Microstructural Evolution of Chessboard like Nanodomains in Mn-doped ZnGaO ₄ Spinel. Microscopy and Microanalysis, 2021, 27, 2418-2419.	0.4	1
8	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
9	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
10	TEM Studies of Segregation in a Ge-Sb-Te Alloy During Heating. Springer Proceedings in Materials, 2021, , 105-114.	0.3	0
11	Crystallite size induced bandgap tuning in WO ₃ derived from nanocrystalline tungsten. Scripta Materialia, 2020, 176, 47-52.	5.2	20
12	Synthesis of anisotropic Au-Cu alloy nanostructures and its application in SERS for detection of methylene blue. Materials Research Express, 2020, 7, 015052.	1.6	10
13	In situ TEM study of crystallization and chemical changes in an oxidized uncapped Ge ₂ Sb ₂ Te ₅ film. Journal of Applied Physics, 2020, 128, 124505.	2.5	7
14	Defect Imaging and Structure Evolution in GST Films During In-situ Heating. Microscopy and Microanalysis, 2020, 26, 1396-1398.	0.4	4
15	Direct Observation of Phase Transformations in Ge-Sb-Te Materials. Microscopy and Microanalysis, 2020, 26, 1418-1420.	0.4	5
16	Structures of Layered Materials After Reaction with Li/Na. Microscopy and Microanalysis, 2020, 26, 2356-2357.	0.4	3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Role of Oxygen on Chemical Segregation in Uncapped Ge ₂ Sb ₂ Te ₅ Thin Films on Silicon Nitride. ECS Journal of Solid State Science and Technology, 2020, 9, 054007.	1.8	11
20	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
21	Effects on surface-enhanced Raman scattering from copper nanoparticles synthesized by laser ablation. Radiation Effects and Defects in Solids, 2020, 175, 332-341.	1.2	10
22	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
23	Porous and highly conducting cathode material PrBaCo ₂ O ₆ ^δ : bulk and surface studies of synthesis anomalies. Physical Chemistry Chemical Physics, 2019, 21, 14701-14712.	2.8	16
24	Synthesis and characterization of Sn reinforced Al-Cu-Fe quasicrystalline matrix nanocomposite by mechanical milling. Journal of Alloys and Compounds, 2019, 797, 1280-1287.	5.5	23
25	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
26	Synthesis of rod-shaped Au-Cu intermetallic nanoparticles and SERS detection. Materials Letters, 2019, 249, 33-36.	2.6	13
27	Defect mediated magnetic transitions in Fe and Mn doped MoS ₂ . Physical Chemistry Chemical Physics, 2018, 20, 15817-15823.	2.8	19
28	Vacancy-mediated structural changes in Au-Cu nanoparticles. Philosophical Magazine Letters, 2018, 98, 97-106.	1.2	6
29	Mechano-chemical synthesis, thermal stability and phase evolution in AlCoCrFeNiMn high entropy alloy. Journal of Alloys and Compounds, 2018, 757, 87-97.	5.5	92
30	Green synthesis of silver nanoparticle-reduced graphene oxide using Psidium guajava and its application in SERS for the detection of methylene blue. Applied Surface Science, 2017, 406, 312-318.	6.1	90
31	Growth morphology and special diffraction characteristics of multifaceted gold nanoparticles. Micron, 2017, 94, 46-52.	2.2	9
32	Localized surface plasmon behavior of Ag-Cu alloy nanoparticles stabilized by rice-starch and gelatin. AIP Advances, 2015, 5, 107108.	1.3	10
33	Stabilization of Nanocrystalline Silver by Sella and Mansoori Rice Starch. Transactions of the Indian Institute of Metals, 2015, 68, 239-245.	1.5	6
34	Auto-combustion synthesis and properties of Ce _{0.85} Gd _{0.15} O _{1.925} for intermediate temperature solid oxide fuel cells electrolyte. Solid State Ionics, 2011, 192, 431-434.	2.7	24
35	Kinetically constraint zero- and one-dimensional heteroepitaxial island growth. Applied Physics Letters, 2007, 90, 101914.	3.3	10
36	Rice extract assisted green synthesis of Au nanoparticles: Catalytic and SERS activities. Surface Review and Letters, 0, , .	1.1	1