

Ankur Goswami

List of Publications by Year in descending order

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papers

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citations

430843

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docs citations

44
times ranked

2281
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced Multistable Resonance Frequency Switching of Phase Change Microstring at Room Temperature. <i>Advanced Electronic Materials</i> , 2022, 8, 2100819.	5.1	2
2	Graphene oxide crosslinker for the enhancement of mechanical properties of polylactic acid. <i>Journal of Polymer Science</i> , 2021, 59, 1043-1054.	3.8	13
3	Heterojunctions of halogen-doped carbon nitride nanosheets and BiOI for sunlight-driven water-splitting. <i>Nanotechnology</i> , 2020, 31, 084001.	2.6	23
4	CVD grown nitrogen doped graphene is an exceptional visible-light driven photocatalyst for surface catalytic reactions. <i>2D Materials</i> , 2020, 7, 015002.	4.4	12
5	Consistently High V_{oc} Values in p-i-n Type Perovskite Solar Cells Using Ni ³⁺ -Doped NiO Nanomesh as the Hole Transporting Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11467-11478.	8.0	48
6	Synthesis and Characterization of Zinc Phthalocyanine-Cellulose Nanocrystal (CNC) Conjugates: Toward Highly Functional CNCs. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43992-44006.	8.0	16
7	The effect of oxygen flow rate on metal-insulator transition (MIT) characteristics of vanadium dioxide (VO ₂) thin films by pulsed laser deposition (PLD). <i>Applied Surface Science</i> , 2020, 529, 146995.	6.1	25
8	Optical control of selectivity of high rate CO ₂ photoreduction via interband- or hot electron Z-scheme reaction pathways in Au-TiO ₂ plasmonic photonic crystal photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118644.	20.2	92
9	Mapping the surface potential, charge density and adhesion of cellulose nanocrystals using advanced scanning probe microscopy. <i>Carbohydrate Polymers</i> , 2020, 246, 116393.	10.2	9
10	Separation and Quantum Tunneling of Photo-generated Carriers Using a Tribo-Induced Field. <i>Matter</i> , 2019, 1, 650-660.	10.0	56
11	Fabrication of Phase Change Microstring Resonators via Top Down Lithographic Techniques: Incorporation of VO ₂ /TiO ₂ Into Conventional Processes. <i>Journal of Microelectromechanical Systems</i> , 2019, 28, 766-775.	2.5	4
12	Robust Polymer Nanocomposite Membranes Incorporating Discrete TiO ₂ Nanotubes for Water Treatment. <i>Nanomaterials</i> , 2019, 9, 1186.	4.1	43
13	Magnetoelectric Coupling in Ni-Mn-In/PLZT Artificial Multiferroic Heterostructure and Its Application in Mid-IR Photothermal Modulation by External Magnetic Field. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2226-2235.	4.3	12
14	An Ominous Facial Droop. <i>American Journal of Medicine</i> , 2019, 132, 820-822.	1.5	0
15	Nanophotonic enhancement and improved electron extraction in perovskite solar cells using near-horizontally aligned TiO ₂ nanorods. <i>Journal of Power Sources</i> , 2019, 417, 176-187.	7.8	17
16	C ₃ N ₅ : A Low Bandgap Semiconductor Containing an Azo-Linked Carbon Nitride Framework for Photocatalytic, Photovoltaic and Adsorbent Applications. <i>Journal of the American Chemical Society</i> , 2019, 141, 5415-5436.	13.7	464
17	Quantitative Characteristics of Consecutive Lengthening Episodes in Early-onset Scoliosis (EOS) Patients With Dual Growth Rods. <i>Spine</i> , 2019, 44, 397-403.	2.0	21
18	Anomalous interfacial stress generation during sodium intercalation/extraction in MoS ₂ thin-film anodes. <i>Science Advances</i> , 2019, 5, eaav2820.	10.3	60

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19	Preferentially oriented TiO ₂ nanotube arrays on non-native substrates and their improved performance as electron transporting layer in halide perovskite solar cells. Nanotechnology, 2019, 30, 204003.	2.6	17
20	Threshold hydrophobicity for inhibition of salt scale formation on SAM-modified titania nanotube arrays. Applied Surface Science, 2019, 473, 282-290.	6.1	15
21	Phase transformation induced modulation of the resonance frequency of VO ₂ /TiO ₂ coated microcantilevers. MRS Advances, 2018, 3, 359-364.	0.9	8
22	Phase transformation induced modulation of the resonance frequency of VO ₂ /TiO ₂ coated microcantilevers. MRS Advances, 2018, 3, 403-403.	0.9	0
23	Sustained electron tunneling at unbiased metal-insulator-semiconductor triboelectric contacts. Nano Energy, 2018, 48, 320-326.	16.0	103
24	Direct-current triboelectricity generation by a sliding Schottky nanocontact on MoS ₂ multilayers. Nature Nanotechnology, 2018, 13, 112-116.	31.5	230
25	Synthesis of phase pure vanadium dioxide (VO ₂) thin film by reactive pulsed laser deposition. Journal of Applied Physics, 2018, 124, .	2.5	36
26	Energy Harvesting Using Droplet. , 2018, , 113-143.		4
27	Sharpness and intensity modulation of the metal-insulator transition in ultrathin VO ₂ films by interfacial structure manipulation. Physical Review Materials, 2018, 2, .		
28	Rapid and Rigorous IL-17A Production by a Distinct Subpopulation of Effector Memory T Lymphocytes Constitutes a Novel Mechanism of Toxic Shock Syndrome Immunopathology. Journal of Immunology, 2017, 198, 2805-2818.	0.8	35
29	Thermomechanical analysis of picograms of polymers using a suspended microchannel cantilever. RSC Advances, 2017, 7, 8415-8420.	3.6	10
30	Effect of process parameters on phase stability and metal-insulator transition of vanadium dioxide (VO ₂) thin films by pulsed laser deposition. Acta Materialia, 2017, 137, 12-21.	7.9	34
31	Effect of interface on mid-infrared photothermal response of MoS ₂ thin film grown by pulsed laser deposition. Nano Research, 2017, 10, 3571-3584.	10.4	30
32	Early onset scoliosis with intraspinal anomalies: management with growing rod. European Spine Journal, 2016, 25, 3301-3307.	2.2	22
33	Swift Intrahepatic Accumulation of Granulocytic Myeloid-Derived Suppressor Cells in a Humanized Mouse Model of Toxic Shock Syndrome. Journal of Infectious Diseases, 2016, 213, 1990-1995.	4.0	12
34	Back Pain in Children- How Sinister?. Indian Journal of Pediatrics, 2016, 83, 834-843.	0.8	3
35	Service migration in cluster based cloud computing environment. , 2015, , .		1
36	Complete Bilateral Calcified Psoas Abscess- Rare Sequelae of Untreated Pott's Spine. Journal of the Nepal Medical Association, 2015, 53, 126-129.	0.4	3

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37	Study of Thermal Relaxation of Poly (HDDA-co-MMA) by Temperature Modulated DSC and Dielectric Spectroscopy. Polymer-Plastics Technology and Engineering, 2013, 52, 485-494.	1.9	4
38	Anterior versus posterior procedure for surgical treatment of thoracolumbar tuberculosis: A retrospective analysis. Indian Journal of Orthopaedics, 2012, 46, 165-170.	1.1	71
39	Clinical Comparative Study: Efficacy and Tolerability of Tolperisone and Thiocolchicoside in Acute Low Back Pain and Spinal Muscle Spasticity. Asian Spine Journal, 2012, 6, 115.	2.0	27
40	Thermomechanical and fractographic behavior of poly (HDDA-co-MMA): a study for its application in microcantilever sensors. Polymers for Advanced Technologies, 2012, 23, 1604-1611.	3.2	7
41	Accuracy of point-of-care ultrasound for identifying fractures in patients with orthopaedic trauma presenting to emergency department of the All India Institute of Medical Sciences, level 1 trauma centre. The Ultrasound Journal, 2011, 3, 67-70.	2.0	4
42	Degradation kinetics of poly(HDDA-co-MMA). Journal of Applied Polymer Science, 2010, 117, 2444-2453.	2.6	11