

Tolga AytuÄ

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1423510/publications.pdf>

Version: 2024-02-01

17
papers

768
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1300
citing authors

#	ARTICLE	IF	CITATIONS
1	Hermetically sealed porous-wall hollow microspheres enabled by monolithic glass coatings: Potential for thermal insulation applications. <i>Vacuum</i> , 2022, 195, 110667.	3.5	5
2	Hydrogen bond-induced aqueous-phase surface modification of nanocellulose and its mechanically strong composites. <i>Journal of Materials Science</i> , 2022, 57, 8127-8138.	3.7	4
3	Surface-modified and oven-dried microfibrillated cellulose reinforced biocomposites: Cellulose network enabled high performance. <i>Carbohydrate Polymers</i> , 2021, 256, 117525.	10.2	37
4	All-aerosol-jet-printed highly sensitive and selective polyaniline-based ammonia sensors: a route toward low-cost, low-power gas detection. <i>Journal of Materials Science</i> , 2021, 56, 12596-12606.	3.7	15
5	Copper-Carbon Nanotube Composites Enabled by Electrospinning for Advanced Conductors. <i>ACS Applied Nano Materials</i> , 2020, 3, 6863-6875.	5.0	15
6	Strong and Tough Cellulose Nanofibrils Composite Films: Mechanism of Synergetic Effect of Hydrogen Bonds and Ionic Interactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 14341-14346.	6.7	44
7	Hierarchical TiO ₂ :Cu ₂ O Nanostructures for Gas/Vapor Sensing and CO ₂ Sequestration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48466-48475.	8.0	18
8	Vacuum-Assisted Low-Temperature Synthesis of Reduced Graphene Oxide Thin-Film Electrodes for High-Performance Transparent and Flexible All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11008-11017.	8.0	57
9	Irradiation performance of rare earth and nanoparticle enhanced high temperature superconducting films based on YBCO. <i>Nuclear Materials and Energy</i> , 2016, 9, 251-255.	1.3	7
10	Plasmonic Three-Dimensional Transparent Conductor Based on Al-Doped Zinc Oxide-Coated Nanostructured Glass Using Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8556-8561.	8.0	7
11	Superhydrophobic materials and coatings: a review. <i>Reports on Progress in Physics</i> , 2015, 78, 086501.	20.1	415
12	Monolithic graded-refractive-index glass-based antireflective coatings: broadband/omnidirectional light harvesting and self-cleaning characteristics. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5440-5449.	5.5	55
13	Superhydrophobic ceramic coatings enabled by phase-separated nanostructured composite TiO ₂ :Cu ₂ O thin films. <i>Nanotechnology</i> , 2014, 25, 245601.	2.6	14
14	Optically transparent, mechanically durable, nanostructured superhydrophobic surfaces enabled by spinodally phase-separated glass thin films. <i>Nanotechnology</i> , 2013, 24, 315602.	2.6	47
15	Nanostructured columnar heterostructures of TiO ₂ and Cu ₂ O enabled by a thin-film self-assembly approach: Potential for photovoltaics. <i>Materials Research Bulletin</i> , 2013, 48, 352-356.	5.2	15
16	An evaluation of phase separated, self-assembled LaMnO ₃ -MgO nanocomposite films directly on IBAD-MgO as buffer layers for flux pinning enhancements in YBa ₂ Cu ₃ O _{7-δ} coated conductors. <i>Journal of Materials Research</i> , 2010, 25, 437-443.	2.6	7
17	Properties of YBCO on LaMnO_3 -Capped IBAD MgO-Templates Without Homo-Epitaxial MgO Layer. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 3315-3318.	1.7	5