Tolga AytuÄ

List of Publications by Year
in descending order

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17	768	840776 11	888059 17
papers	citations	h-index	g-index

18	18	18	1300
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superhydrophobic materials and coatings: a review. Reports on Progress in Physics, 2015, 78, 086501.	20.1	415
2	Vacuum-Assisted Low-Temperature Synthesis of Reduced Graphene Oxide Thin-Film Electrodes for High-Performance Transparent and Flexible All-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 11008-11017.	8.0	57
3	Monolithic graded-refractive-index glass-based antireflective coatings: broadband/omnidirectional light harvesting and self-cleaning characteristics. Journal of Materials Chemistry C, 2015, 3, 5440-5449.	5.5	55
4	Optically transparent, mechanically durable, nanostructured superhydrophobic surfaces enabled by spinodally phase-separated glass thin films. Nanotechnology, 2013, 24, 315602.	2.6	47
5	Strong and Tough Cellulose Nanofibrils Composite Films: Mechanism of Synergetic Effect of Hydrogen Bonds and Ionic Interactions. ACS Sustainable Chemistry and Engineering, 2019, 7, 14341-14346.	6.7	44
6	Surface-modified and oven-dried microfibrillated cellulose reinforced biocomposites: Cellulose network enabled high performance. Carbohydrate Polymers, 2021, 256, 117525.	10.2	37
7	Hierarchical TiO₂:Cu₂O Nanostructures for Gas/Vapor Sensing and CO₂ Sequestration. ACS Applied Materials & Interfaces, 2019, 11, 48466-48475.	8.0	18
8	Nanostructured columnar heterostructures of TiO2 and Cu2O enabled by a thin-film self-assembly approach: Potential for photovoltaics. Materials Research Bulletin, 2013, 48, 352-356.	5.2	15
9	Copperâ€“Carbon Nanotube Composites Enabled by Electrospinning for Advanced Conductors. ACS Applied Nano Materials, 2020, 3, 6863-6875.	5.0	15
10	All-aerosol-jet-printed highly sensitive and selective polyaniline-based ammonia sensors: a route toward low-cost, low-power gas detection. Journal of Materials Science, 2021, 56, 12596-12606.	3.7	15
11	Superhydrophobic ceramic coatings enabled by phase-separated nanostructured composite TiO₂â€“Cu₂O thin films. Nanotechnology, 2014, 25, 245601.	2.6	14
12	An evaluation of phase separated, self-assembled LaMnO₃-MgO nanocomposite films directly on IBAD-MgO as buffer layers for flux pinning enhancements in YBa₂Cu₃O_{7-Î´} coated conductors. Journal of Materials Research, 2010, 25, 437-443.	2.6	7
13	Plasmonic Three-Dimensional Transparent Conductor Based on Al-Doped Zinc Oxide-Coated Nanostructured Glass Using Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2015, 7, 8556-8561.	8.0	7
14	Irradiation performance of rare earth and nanoparticle enhanced high temperature superconducting films based on YBCO. Nuclear Materials and Energy, 2016, 9, 251-255.	1.3	7
15	Properties of YBCO on ${m LaMnO}_{3}$-Capped IBAD MgO-Templates Without Homo-Epitaxial MgO Layer. IEEE Transactions on Applied Superconductivity, 2009, 19, 3315-3318.	1.7	5
16	Hermetically sealed porous-wall hollow microspheres enabled by monolithic glass coatings: Potential for thermal insulation applications. Vacuum, 2022, 195, 110667.	3.5	5
17	Hydrogen bondâ€“induced aqueous-phase surface modification of nanocellulose and its mechanically strong composites. Journal of Materials Science, 2022, 57, 8127-8138.	3.7	4