Igor

List of Publications by Year
in descending order

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16 papers	676 citations	840776 11 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	639 citing authors

#	Article	IF	Citations
1	Explore space using swarms of tiny satellites. Nature, 2018, 562, 185-187.	27.8	111
2	Advanced Materials for Nextâ€Generation Spacecraft. Advanced Materials, 2018, 30, e1802201.	21.0	92
3	Hierarchical Multicomponent Inorganic Metamaterials: Intrinsically Driven Selfâ€Assembly at the Nanoscale. Advanced Materials, 2018, 30, 1702226.	21.0	91
4	Interfacial modification of titanium dioxide to enhance photocatalytic efficiency towards H2 production. Journal of Colloid and Interface Science, 2019, 556, 376-385.	9.4	63
5	Lightning under water: Diverse reactive environments and evidence of synergistic effects for material treatment and activation. Applied Physics Reviews, 2018, 5, 021103.	11.3	53
6	Mars Colonization: Beyond Getting There. Global Challenges, 2019, 3, 1800062.	3.6	44
7	Functional nanomaterials, synergisms, and biomimicry for environmentally benign marine antifouling technology. Materials Horizons, 2021, 8, 3201-3238.	12.2	44
8	In vitro Demonstration of Cancer Inhibiting Properties from Stratified Self-Organized Plasma-Liquid Interface. Scientific Reports, 2017, 7, 12163.	3.3	42
9	Plasma and Polymers: Recent Progress and Trends. Molecules, 2021, 26, 4091.	3.8	42
10	Effect of titanium surface topography on plasma deposition of antibacterial polymer coatings. Applied Surface Science, 2020, 521, 146375.	6.1	29
11	Fabrication of Nano-Onion-Structured Graphene Films from Citrus sinensis Extract and Their Wetting and Sensing Characteristics. ACS Applied Materials & Interfaces, 2020, 12, 29594-29604.	8.0	18
12	Hydrophilicity and Hydrophobicity Control of Plasmaâ€Treated Surfaces via Fractal Parameters. Advanced Materials Interfaces, 2021, 8, 2100724.	3.7	14
13	Functional Nanomaterials from Waste and Lowâ€Value Natural Products: A Technological Approach Level. Advanced Materials Technologies, 2022, 7, .	5.8	11
14	Biowaste valorization by conversion to nanokeratin-urea composite fertilizers for sustainable and controllable nutrient release. Carbon Trends, 2021, 5, 100083.	3.0	10
15	Plasma meets metamatertials: three ways to advance space micropropulsion systems. Advances in Physics: X, 2021, 6, 1834452.	4.1	6
16	Hierarchical Carbon Nanocone-Silica Metamaterials: Implications for White Light Photoluminescence. ACS Applied Nano Materials, 2022, 5, 4787-4800.	5.0	6