

Claire E J Dancer

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

607
citations

687363

13
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Solubility and Stability of Polyvinylidene Fluoride. <i>Polymers</i> , 2021, 13, 1354.	4.5	97
2	A trapped field of >3 T in bulk MgB_2 fabricated by uniaxial hot pressing. <i>Superconductor Science and Technology</i> , 2012, 25, 112002.	3.5	92
3	Facile silane functionalization of graphene oxide. <i>Nanoscale</i> , 2018, 10, 16231-16242.	5.6	86
4	A study of the sintering behaviour of magnesium diboride. <i>Journal of the European Ceramic Society</i> , 2009, 29, 1817-1824.	5.7	42
5	Promoting microstructural homogeneity during flash sintering of ceramics through thermal management. <i>MRS Bulletin</i> , 2021, 46, 59-66.	3.5	35
6	Investigation on the levitation force behaviour of malic acid added bulk MgB_2 superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2014, 502, 63-69.	1.2	29
7	Levitation force at different temperatures and superconducting properties of nano-structured MgB_2 superconductors. <i>Journal of Alloys and Compounds</i> , 2010, 492, 48-51.	5.5	25
8	Effect of residual compressive surface stress on severe wear of alumina-silicon carbide two-layered composites. <i>Tribology International</i> , 2014, 74, 87-92.	5.9	22
9	Electrochemical formation protocols for maximising the life-time of a sodium ion battery. <i>Chemical Communications</i> , 2020, 56, 12925-12928.	4.1	20
10	Fabrication and characterization of composites of a perovskite and polymers with high dielectric permittivity. <i>Materials Research Bulletin</i> , 2021, 135, 111126.	5.2	19
11	Nanozeolite ZSM-5 electrolyte additive for long life sodium-ion batteries. <i>Chemical Communications</i> , 2020, 56, 11609-11612.	4.1	16
12	Dielectric performance of composites of $BaTiO_3$ and polymers for capacitor applications under microwave frequency. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50521.	2.6	15
13	Preparation, microstructure and microwave dielectric properties of sprayed PFA/barium titanate composite films. <i>Composites Science and Technology</i> , 2016, 129, 198-204.	7.8	14
14	Characterisation of damage mechanisms in oxide ceramics indented at dynamic and quasi-static strain rates. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4936-4945.	5.7	14
15	The investigation on the regional nanoparticle Ag doping into $MgTi_0.06B_2$ bulk for improvement the magnetic levitation force and the bulk critical current. <i>Journal of Alloys and Compounds</i> , 2017, 724, 427-434.	5.5	13
16	Exceptional Surface Passivation Arising from Bis(trifluoromethanesulfonyl)-Based Solutions. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1322-1329.	4.3	13
17	High strain rate indentation-induced deformation in alumina ceramics measured by Cr^{3+} fluorescence mapping. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2177-2187.	5.7	12
18	Mechanism of gelation in high nickel content cathode slurries for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 427-437.	9.4	12

#	ARTICLE	IF	CITATIONS
19	Stiffness, strength and interwall sliding in aligned and continuous multi-walled carbon nanotube/glass composite microcantilevers. <i>Acta Materialia</i> , 2015, 100, 118-125.	7.9	9
20	<i>In Situ</i> Cross-Linking of Silane Functionalized Reduced Graphene Oxide and Low-Density Polyethylene. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1897-1908.	4.4	9
21	IR laser line scanning treatments to improve levitation forces in MgTi _{0.06} B ₂ bulk materials. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151966.	5.5	7
22	Improving magnetic properties of MgB ₂ bulk superconductors by synthetic engine oil treatment. <i>Physica C: Superconductivity and Its Applications</i> , 2016, 527, 36-40.	1.2	4
23	Hard Carbon Particle Size and Mass Loading Influence on Sodium Ion Battery Rate Performance. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 67-67.	0.0	1
24	Improved Lifetime of Na-Ion Batteries With a Water-Scavenging Electrolyte Additive. <i>Frontiers in Energy Research</i> , 0, 10, .	2.3	1