

Chinnathambi Karthik

List of Publications by Year in descending order

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23
papers

1,010
citations

516710

16
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677142

22
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25
all docs

25
docs citations

25
times ranked

1253
citing authors

#	ARTICLE	IF	CITATIONS
1	A macro-scale ruck and tuck mechanism for deformation in ion-irradiated polycrystalline graphite. Carbon, 2021, 173, 215-231.	10.3	27
2	Flexible Thermoelectric Devices of Ultrahigh Power Factor by Scalable Printing and Interface Engineering. Advanced Functional Materials, 2020, 30, 1905796.	14.9	93
3	Experimental evidence for "buckle, ruck and tuck"™ in neutron irradiated graphite. Carbon, 2020, 159, 119-121.	10.3	19
4	High-Performance Flexible Bismuth Telluride Thin Film from Solution Processed Colloidal Nanoplates. Advanced Materials Technologies, 2020, 5, 2000600.	5.8	26
5	Fullerene-like defects in high-temperature neutron-irradiated nuclear graphite. Carbon, 2020, 166, 113-122.	10.3	20
6	The Temperature Dependence of Defect Evolution in Irradiated Graphite. Microscopy and Microanalysis, 2019, 25, 1568-1569.	0.4	0
7	Formation of carbon nanostructures in nuclear graphite under high-temperature in situ electron-irradiation. Carbon, 2019, 143, 908-914.	10.3	28
8	A new oxidation based technique for artifact free TEM specimen preparation of nuclear graphite. Journal of Nuclear Materials, 2018, 505, 62-68.	2.7	8
9	Magnetic and electrocatalytic properties of transition metal doped MoS ₂ nanocrystals. Journal of Applied Physics, 2018, 124, .	2.5	42
10	Paramagnetic defects in hydrothermally grown few-layered MoS ₂ nanocrystals. Journal of Materials Research, 2018, 33, 1565-1572.	2.6	9
11	Proton irradiation effect on thermoelectric properties of nanostructured n-type half-Heusler Hf _{0.25} Zr _{0.75} NiSn _{0.99} Sb _{0.01} . Applied Physics Letters, 2018, 112, 243902.	3.3	8
12	Neutron irradiation induced microstructural changes in NBG-18 and IG-110 nuclear graphites. Carbon, 2015, 86, 124-131.	10.3	52
13	Tunable bandgap in BiFeO ₃ nanoparticles: The role of microstrain and oxygen defects. Applied Physics Letters, 2013, 103, .	3.3	235
14	Crystal Structure and Microwave Dielectric Properties of LiRE ₉ (SiO ₄) ₆ O ₂₄ Ceramics (RE = La, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). Journal of the American Ceramic Society, 2013, 96, 3842-3848.	3.8	35
15	An oxygen transfer model for high purity graphite oxidation. Carbon, 2013, 59, 49-64.	10.3	37
16	Effect of Ca ²⁺ Substitution on the Structure, Microstructure, and Microwave Dielectric Properties of Sr ₂ Al ₂ SiO ₇ Ceramic. Journal of the American Ceramic Society, 2013, 96, 3842-3848.	3.8	35
17	Microstructural Characterization of Next Generation Nuclear Graphites. Microscopy and Microanalysis, 2012, 18, 272-278.	0.4	71
18	Microstructural characterization and pore structure analysis of nuclear graphite. Journal of Nuclear Materials, 2011, 415, 189-197.	2.7	96

#	ARTICLE	IF	CITATIONS
19	In situ transmission electron microscopy of electron-beam induced damage process in nuclear grade graphite. <i>Journal of Nuclear Materials</i> , 2011, 412, 321-326.	2.7	85
20	Threshold conductivity switching in sulfurized antimony selenide nanowires. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	13
21	Metal–dielectric interface toughening by molecular nanolayer decomposition. <i>Journal of Applied Physics</i> , 2010, 108, 034317.	2.5	9
22	A microprobe technique for simultaneously measuring thermal conductivity and Seebeck coefficient of thin films. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	55
23	Oriented Nanocrystal Arrays of Selectable Polymorphs by Chemical Sculpture. <i>Chemistry of Materials</i> , 2009, 21, 3197-3201.	6.7	16