Fan W Zeng

List of Publications by Year
in descending order

13 papers	65 citations	1937685 4 h-index	1720034 7 g-index
14 all docs	14 docs citations	14 times ranked	71 citing authors

#	Article	IF	Citations
1	Modeling the effects of oxidation-induced porosity on the elastic moduli of nuclear graphites. Carbon, 2019, 141, 304-315.	10.3	22
2	Laser ultrasonic assessment of the effects of porosity and microcracking on the elastic moduli of nuclear graphites. Journal of Nuclear Materials, 2016, 471, 80-91.	2.7	20
3	Palladium nanoparticle formation processes in fluoropolymers by thermal decomposition of organometallic precursors. Physical Chemistry Chemical Physics, 2018, 20, 24389-24398.	2.8	10
4	Theory and application of laser ultrasonic shear wave birefringence measurements to the determination of microstructure orientation in transversely isotropic, polycrystalline graphite materials. Carbon, 2017, 115, 460-470.	10.3	5
5	Effect of Polymer Structure on Precursor Diffusion and Particle Formation in Polymer Matrix Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1850-1858.	3.7	4
6	Subsurface, thermoelastic line source excitation of a transversely isotropic half space. Wave Motion, 2017, 72, 87-100.	2.0	2
7	Effects of graphite porosity and anisotropy on measurements of elastic modulus using laser ultrasonics. , 2014, , .		1
8	Line source representations for shear wave birefringence measurements in transversely isotropic materials using laser ultrasonics. Wave Motion, 2016, 61, 1-10.	2.0	1
9	Linear and nonlinear optical processing of polymer matrix nanocomposites. Proceedings of SPIE, 2015, , .	0.8	0
10	Characterization of nuclear graphite elastic properties using laser ultrasonic methods. Proceedings of SPIE, 2015, , .	0.8	0
11	Laser ultrasonic assessment of the effects of oxidation and microcracking on the elastic moduli of nuclear graphites. , 2017, , .		0
12	Nano-acoustic resonators for sensing near-particle environments in polymer matrix nanocomposites. , 2017, , .		0
13	Laser-Induced Precursor Decomposition for Nanoparticle Modification in Polymer Matrix Nanocomposites. Journal of Physical Chemistry C, 2019, 123, 19220-19229.	3.1	0