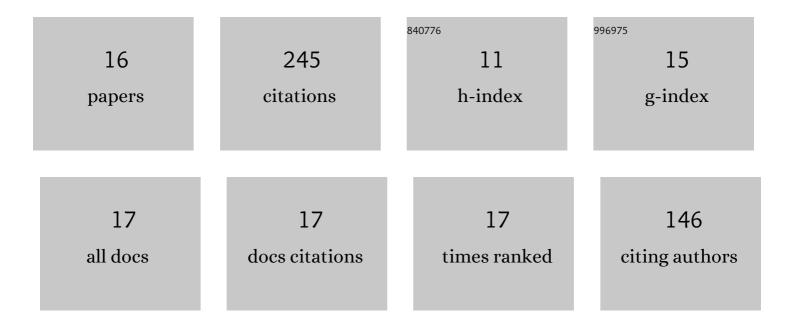
Wenqiong Tu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electromechanical response of multilayered piezoelectric BaTiO ₃ /PZT-7A composites with wavy architecture. Journal of Intelligent Material Systems and Structures, 2021, 32, 1966-1986.	2.5	5
2	A tangent finite-volume direct averaging micromechanics framework for elastoplastic porous materials: Theory and validation. International Journal of Plasticity, 2021, 139, 102968.	8.8	7
3	Progressive modeling of transverse thermal conductivity of unidirectional natural fiber composites. International Journal of Thermal Sciences, 2021, 162, 106782.	4.9	13
4	An effective thermal conductivity and thermomechanical homogenization scheme for a multiscale Nb ₃ Sn filaments. Nanotechnology Reviews, 2021, 10, 187-200.	5.8	5
5	Homogenization and localization of unidirectional fiber-reinforced composites with evolving damage by FVDAM and FEM approaches: A critical assessment. Engineering Fracture Mechanics, 2020, 239, 107280.	4.3	14
6	Deep learning in heterogeneous materials: Targeting the thermo-mechanical response of unidirectional composites. Journal of Applied Physics, 2020, 127, .	2.5	15
7	Evolution of interfacial debonding of a unidirectional graphite/polyimide composite under off-axis loading. Engineering Fracture Mechanics, 2020, 230, 106947.	4.3	18
8	Homogenization and localization of imperfectly bonded periodic fiber-reinforced composites. Mechanics of Materials, 2019, 139, 103178.	3.2	12
9	Characterization of Interphase/Interface Parameters of Unidirectional Fibrous Composites by Optimization-Based Inverse Homogenization. International Journal of Applied Mechanics, 2019, 11, 1950074.	2.2	6
10	Parametric multiphysics finite-volume theory for periodic composites with thermo-electro-elastic phases. Journal of Intelligent Material Systems and Structures, 2018, 29, 530-552.	2.5	20
11	Tailoring the moduli of composites using hollow reinforcement. Composite Structures, 2017, 160, 838-853.	5.8	15
12	Damage evolution in cross-ply laminates revisited via cohesive zone model and finite-volume homogenization. Composites Part B: Engineering, 2016, 86, 40-60.	12.0	24
13	Plastic strain localization in periodic materials with wavy brick-and-mortar architectures and its effect on the homogenized response. Composites Part B: Engineering, 2015, 68, 270-280.	12.0	11
14	Cohesive Zone-Based Damage Evolution in Periodic Materials Via Finite-Volume Homogenization. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	44
15	Targeting the finite-deformation response of wavy biological tissues with bio-inspired material architectures. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 28, 291-308.	3.1	23
16	Optimal Strength Design for Fiber-Metal Laminates and Fiber-reinforced Plastic Laminates. Journal of Composite Materials, 2011, 45, 237-254.	2.4	12