A Al-Mayah

List of Publications by Year
in descending order

14	710	759055 12	1058333 14
papers	citations	h-index	g-index

14	14	14	527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The myth of the 50â€50 breast. Medical Physics, 2009, 36, 5437-5443.	1.6	209
2	Contact surface and material nonlinearity modeling of human lungs. Physics in Medicine and Biology, 2008, 53, 305-317.	1.6	85
3	Development and Assessment of a New CFRP Rodâ€“Anchor System for Prestressed Concrete. Applied Composite Materials, 2006, 13, 321-334.	1.3	64
4	Novel Anchor System for CFRP Rod: Finite-Element and Mathematical Models. Journal of Composites for Construction, 2007, 11, 469-476.	1.7	60
5	Sliding characteristic and material compressibility of human lung: Parametric study and verification. Medical Physics, 2009, 36, 4625-4633.	1.6	60
6	Validation of a method for measuring the volumetric breast density from digital mammograms. Physics in Medicine and Biology, 2010, 55, 3027-3044.	1.6	49
7	Mechanical Behavior of CFRP Rod Anchors under Tensile Loading. Journal of Composites for Construction, 2001, 5, 128-135.	1.7	46
8	Simplified Anchor System for CFRP Rods. Journal of Composites for Construction, 2013, 17, 584-590.	1.7	37
9	FEM and mathematical models of the interfacial contact behaviour of CFRP-metal couples. Composite Structures, 2006, 73, 33-40.	3.1	23
10	Effect of Sandblasting on Interfacial Contact Behavior of Carbon-Fiber-Reinforced Polymer-Metal Couples. Journal of Composites for Construction, 2005, 9, 289-295.	1.7	21
11	Effect of Sleeve Material on Interfacial Contact Behavior of CFRP-Metal Couples. Journal of Materials in Civil Engineering, 2006, 18, 825-830.	1.3	21
12	Effect of rod profile and strength on the contact behavior of CFRPâ€“metal couples. Composite Structures, 2008, 82, 19-27.	3.1	17
13	Measuring Hyperelastic Properties of Hydrogels Using Cavity Expansion Method. Experimental Mechanics, 2019, 59, 1047-1061.	1.1	14
14	Measuring the Hyperelastic Response of Porcine Liver Tissues In-Vitro Using Controlled Cavitation Rheology. Experimental Mechanics, 2021, 61, 445-458.	1.1	4