Mickey G Huson

List of Publications by Year
in descending order

50 papers	2,222 citations	279798 23 h-index	233421 45 g-index
51 all docs	51 docs citations	51 times ranked	2420 citing authors

#	Article	IF	Citations
1	Rational design of new materials using recombinant structural proteins: Current state and future challenges. Journal of Structural Biology, 2018, 201, 76-83.	2.8	24
2	Recombinant Structural Proteins and Their Use in Future Materials. Sub-Cellular Biochemistry, 2017, 82, 491-526.	2.4	9
3	Effect of surface functionality of PAN-based carbon fibres on the mechanical performance of carbon/epoxy composites. Composites Science and Technology, 2014, 94, 89-95.	7.8	68
4	Convergently-evolved structural anomalies in the coiled coil domains of insect silk proteins. Journal of Structural Biology, 2014, 186, 402-411.	2.8	22
5	Continuous Production of Flexible Fibers from Transgenically Produced Honeybee Silk Proteins. Macromolecular Bioscience, 2013, 13, 1321-1326.	4.1	19
6	Controlling the Molecular Structure and Physical Properties of Artificial Honeybee Silk by Heating or by Immersion in Solvents. PLoS ONE, 2012, 7, e52308.	2.5	27
7	Effects of Thermal Denaturation on the Solid-State Structure and Molecular Mobility of Glycinin. Biomacromolecules, 2011, 12, 2092-2102.	5.4	23
8	Ageing effect of plasmaâ€treated wool. Journal of the Textile Institute, 2011, 102, 1086-1093.	1.9	24
9	Molecular and functional characterisation of resilin across three insect orders. Insect Biochemistry and Molecular Biology, 2011, 41, 881-890.	2.7	56
10	Single Honeybee Silk Protein Mimics Properties of Multi-Protein Silk. PLoS ONE, 2011, 6, e16489.	2.5	52
11	Honeybee silk: Recombinant protein production, assembly and fiber spinning. Biomaterials, 2010, 31, 2695-2700.	11.4	78
12	A highly elastic tissue sealant based on photopolymerised gelatin. Biomaterials, 2010, 31, 8323-8331.	11.4	162
13	Material Properties of Lipid Microdomains: Force-Volume Imaging Study of the Effect of Cholesterol on Lipid Microdomain Rigidity. Biophysical Journal, 2010, 99, 834-844.	0.5	39
14	Interphase study of thermoplastic modified epoxy matrix composites: Phase behaviour around a single fibre influenced by heating rate and surface treatment. Composites Part A: Applied Science and Manufacturing, 2010, 41, 787-794.	7.6	28
15	The development of photochemically crosslinked native fibrinogen as a rapidly formed and mechanically strong surgical tissue sealant. Biomaterials, 2009, 30, 2059-2065.	11.4	113
16	Pulsed Plasma Polymerization of Hexamethyldisiloxane onto Wool: Control of Moisture Vapor Transmission Rate and Surface Adhesion. Plasma Processes and Polymers, 2009, 6, 139-147.	3.0	16
17	Controlled Amine Functionalization and Hydrophilicity of a Poly(lactic acid) Fabric. Plasma Processes and Polymers, 2009, 6, 490-497.	3.0	36
18	Comparisons of Recombinant Resilin-like Proteins: Repetitive Domains Are Sufficient to Confer Resilin-like Properties. Biomacromolecules, 2009, 10, 3009-3014.	5.4	73

#	Article	IF	Citations
19	Fifty years later: The sequence, structure and function of lacewing cross-beta silk. Journal of Structural Biology, 2009, 168, 467-475.	2.8	40
20	Environmentally Sustainable Fibers from Regenerated Protein. Biomacromolecules, 2009, 10, 1-8.	5.4	215
21	Analysis of the Effects of Atmospheric Helium Plasma Treatment on the Surface Structure of Jute Fibres and Resulting Composite Properties. Journal of Adhesion Science and Technology, 2009, 23, 2109-2120.	2.6	7
22	Proteinaceous adhesive secretions from insects, and in particular the egg attachment glue of <i>Opodiphthera</i> sp. moths. Archives of Insect Biochemistry and Physiology, 2008, 69, 85-105.	1.5	49
23	New insights into the nature of the wool fibre surface. Journal of Structural Biology, 2008, 163, 127-136.	2.8	54
24	Recombinant Resilinâ€"A Protein-Based Elastomer. , 2008, , 255-276.		1
25	Recombinant Resilinâ€"A Protein-Based Elastomer. , 2008, , .		0
26	Design and facile production of recombinant resilin-like polypeptides: gene construction and a rapid protein purification method. Protein Engineering, Design and Selection, 2007, 20, 25-32.	2.1	92
27	The measurement of resilience with a scanning probe microscope. Polymer Testing, 2006, 25, 2-11.	4.8	21
28	Synthesis and properties of crosslinked recombinant pro-resilin. Nature, 2005, 437, 999-1002.	27.8	496
29	Characterization of a Protein-based Adhesive Elastomer Secreted by the Australian FrogNotadenbennetti. Biomacromolecules, 2005, 6, 3300-3312.	5.4	70
30	Structural Characterization and Properties of Lyocell Fibers After Fibrillation and Enzymatic Defibrillation Finishing Treatments. Textile Reseach Journal, 2003, 73, 1024-1030.	2.2	20
31	Internal Structure of Mature and Immature Cotton Fibers Revealed by Scanning Probe Microscopy. Textile Reseach Journal, 2003, 73, 1005-1012.	2.2	27
32	Using the scanning probe microscope to measure the effect of relative humidity on sample stiffness. Review of Scientific Instruments, 2002, 73, 3520-3524.	1.3	10
33	Effects of Aqueous Exposure on the Mechanical Properties of Wool Fibersâ€"Analysis by Atomic Force Microscopy. Textile Reseach Journal, 2001, 71, 573-581.	2.2	17
34	Influencia del proceso de fibrilaciÃ³n y desfibrilaciÃ³n enzimÃ¡tica en las propiedades mecÃ¡nicas de hilos de fibras celulÃ³sicas regeneradas obtenidas por el proceso NMMO. Revista De Metalurgia, 2001, 37, 348-351.	0.5	0
35	Physical Properties of Wool Fibers in Electrolyte Solutions. Textile Reseach Journal, 1998, 68, 595-605.	2.2	11
36	Imaging Wool Fiber Surfaces with a Scanning Force Microscope. Textile Reseach Journal, 1995, 65, 445-453.	2.2	22

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37	Cohesive Setting of Wool in Air: Effect of Mechanical De-ageing. Textile Reseach Journal, 1993, 63, 204-210.	2.2	0
38	The Mechanism by Which Oxidizing Agents Minimize Strength Losses in Wool Dyeing. Textile Reseach Journal, 1992, 62, 9-14.	2.2	18
39	Semi- and fully interpenetrating polymer networks based on polyurethaneâ€"polyacrylate systems. XI. The influence of polymerization temperature on morphology and properties. Journal of Applied Polymer Science, 1992, 45, 1753-1762.	2.6	9
40	Semi- and fully-interpenetrating polymer networks based on polyurethaneâ€"polyacrylate systems. XII. The influence of polymerization pressure on morphology and properties. Journal of Applied Polymer Science, 1992, 46, 973-979.	2.6	7
41	DSC investigation of the physical ageing and deageing of wool. Polymer International, 1991, 26, 157-161.	3.1	20
42	A nucleation theory for the anomalous freezing point depression of solvents in swollen rubber gels. Journal of Polymer Science, Part B: Polymer Physics, 1988, 26, 2413-2431.	2.1	21
43	Semi- and fully interpenetrating polymer networks based on polyurethane-polyacrylate systems. IX. Properties of an isomerically related interpenetrating network. Journal of Applied Polymer Science, 1986, 31, 709-716.	2.6	13
44	Semi- and fully interpenetrating polymer networks based on polyurethane-polyacrylate systems. X. Polyurethane-poly(ethyl acrylate) interpenetrating polymer networks. Journal of Applied Polymer Science, 1986, 32, 3881-3888.	2.6	6
45	A contribution to the theory of accelerated sulphur vulcanization of natural rubber and polybutadiene BR with tetramethyl thiuram disulphide and bis(2-benzothiazolyl) disulphide. Journal of Polymer Science: Polymer Chemistry Edition, 1985, 23, 2833-2839.	0.8	2
46	The effect of transcrystallinity on the behavior of fibers in polymer matrices. Journal of Polymer Science, Polymer Physics Edition, 1985, 23, 121-128.	1.0	38
47	Use of dynamic mechanical analysis in comparing vulcanization of different phases in NR/BR and IR/BR blends. Journal of Polymer Science, Polymer Letters Edition, 1984, 22, 143-148.	0.4	16
48	Nucleation of polypropylene by cyclic oligomers present in poly(ethylene terephthalate). Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 3549-3553.	0.8	2
49	Transcrystallinity in polypropylene. Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 3571-3580.	0.8	46
50	Recombinant Resilin. , 0, , 6929-6940.		0