# Michelle L Oyen

List of Publications by Year
in descending order



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|---|---|---|---|
| 144 papers | 8,380 citations | 47006 47 h-index | 48315 88 g-index |
| 151 all docs | 151 docs citations | 151 times ranked | 10840 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Extracellular-matrix tethering regulates stem-cell fate. Nature Materials, 2012, 11, 642-649. | 27.5 | 1,346 |
| 2 | Applications of Alginate-Based Bioinks in 3D Bioprinting. International Journal of Molecular Sciences, 2016, 17, 1976. | 4.1 | 454 |
| 3 | Mechanical characterisation of hydrogel materials. International Materials Reviews, 2014, 59, 44-59. | 19.3 | 442 |
| 4 | Biomimetic layer-by-layer assembly of artificial nacre. Nature Communications, 2012, 3, 966. | 12.8 | 303 |
| 5 | Loadâ€"displacement behavior during sharp indentation of viscousâ€"elasticâ€"plastic materials. Journal of Materials Research, 2003, 18, 139-150. | 2.6 | 288 |
| 6 | Comparative materials differences revealed in engineered bone as a function of cell-specific differentiation. Nature Materials, 2009, 8, 763-770. | 27.5 | 223 |
| 7 | Spherical Indentation Creep Following Ramp Loading. Journal of Materials Research, 2005, 20, 2094-2100. | 2.6 | 211 |
| 8 | A practical guide for analysis of nanoindentation data. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 396-407. | 3.1 | 185 |
| 9 | Analytical techniques for indentation of viscoelastic materials. Philosophical Magazine, 2006, 86, 5625-5641. | 1.6 | 172 |
| 10 | Composite electrospun gelatin fiber-alginate gel scaffolds for mechanically robust tissue engineered cornea. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 21, 185-194. | 3.1 | 166 |
| 11 | Spherical indentation load-relaxation of soft biological tissues. Journal of Materials Research, 2006, 21, 2003-2010. | 2.6 | 165 |
| 12 | Nanofibrous hydrogel composites as mechanically robust tissue engineering scaffolds. Trends in Biotechnology, 2014, 32, 564-570. | 9.3 | 143 |
| 13 | Nanoindentation hardness of mineralized tissues. Journal of Biomechanics, 2006, 39, 2699-2702. | 2.1 | 123 |
| 14 | Viscoelastic properties of bone as a function of hydration state determined by nanoindentation. Philosophical Magazine, 2006, 86, 5691-5703. | 1.6 | 117 |
| 15 | Cell death after cartilage impact occurs around matrix cracks. Journal of Orthopaedic Research, 2003, 21, 881-887. | 2.3 | 116 |
| 16 | Poroelastic nanoindentation responses of hydrated bone. Journal of Materials Research, 2008, 23, 1307-1314. | 2.6 | 109 |
| 17 | Viscoelastic and poroelastic mechanical characterization of hydrated gels. Journal of Materials Research, 2009, 24, 973-979. | 2.6 | 109 |
| 18 | Raman Spectroscopy Reveals New Insights into the Zonal Organization of Native and Tissue-Engineered Articular Cartilage. ACS Central Science, 2016, 2, 885-895. | 11.3 | 103 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nanoindentation of Biological and Biomimetic Materials. Experimental Techniques, 2013, 37, 73-87. | 1.5 | 98 |
| 20 | On the relationship between indentation hardness and modulus, and the damage resistance of biological materials. Acta Biomaterialia, 2017, 57, 373-383. | 8.3 | 96 |
| 21 | Insight into differences in nanoindentation properties of bone. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 18, 90-99. | 3.1 | 94 |
| 22 | Separating viscoelasticity and poroelasticity of gels with different length and time scales. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 20-27. | 3.4 | 90 |
| 23 | Hydration effects on the micro-mechanical properties of bone. Journal of Materials Research, 2006, 21, 1962-1968. | 2.6 | 89 |
| 24 | Sensitivity of polymer nanoindentation creep measurements to experimental variables. Acta Materialia, 2007, 55, 3633-3639. | 7.9 | 89 |
| 25 | Strong and tough nanofibrous hydrogel composites based on biomimetic principles. Materials Science and Engineering C, 2017, 72, 220-227. | 7.3 | 85 |
| 26 | Ultra-structural defects cause low bone matrix stiffness despite high mineralization in osteogenesis imperfecta mice. Bone, 2012, 50, 1317-1323. | 2.9 | 80 |
| 27 | Separating poroviscoelastic deformation mechanisms in hydrogels. Applied Physics Letters, 2013, 102, . | 3.3 | 80 |
| 28 | Transplantation of human fetal blood stem cells in the osteogenesis imperfecta mouse leads to improvement in multiscale tissue properties. Blood, 2011, 117, 1053-1060. | 1.4 | 78 |
| 29 | Hydrogel Composite Materials for Tissue Engineering Scaffolds. Jom, 2013, 65, 505-516. | 1.9 | 78 |
| 30 | Premature rupture of the fetal membranes: Is the amnion the major determinant?. American Journal of Obstetrics and Gynecology, 2006, 195, 510-515. | 1.3 | 76 |
| 31 | Collagen type IV at the fetalâ€"maternal interface. Placenta, 2015, 36, 59-68. | 1.5 | 74 |
| 32 | Composite bounds on the elastic modulus of bone. Journal of Biomechanics, 2008, 41, 2585-2588. | 2.1 | 70 |
| 33 | Microstructure and Mechanics of the Chorioamnion Membrane with an Emphasis on Fracture Properties. Annals of the New York Academy of Sciences, 2007, 1101, 166-185. | 3.8 | 68 |
| 34 | Indentation stiffness of aging human costal cartilage. Acta Biomaterialia, 2008, 4, 97-103. | 8.3 | 68 |
| 35 | A microfluidics assay to study invasion of human placental trophoblast cells. Journal of the Royal Society Interface, 2017, 14, 20170131. | 3.4 | 68 |
| 36 | Tissue stiffness at the human maternalâ€"fetal interface. Human Reproduction, 2019, 34, 1999-2008. | 0.9 | 68 |

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| --- | --- | --- | --- |
| 37 | The Compelling Case for Indentation as a Functional Exploratory and Characterization Tool. Journal of the American Ceramic Society, 2015, 98, 2671-2680. | 3.8 | 67 |
| 38 | Nanoindentation of hydrated materials and tissues. Current Opinion in Solid State and Materials Science, 2015, 19, 317-323. | 11.5 | 62 |
| 39 | Viscoelastic properties of the cervical spinal ligaments under fast strain-rate deformations. Acta Biomaterialia, 2008, 4, 117-125. | 8.3 | 59 |
| 40 | Mechanical failure of human fetal membrane tissues. Journal of Materials Science: Materials in Medicine, 2004, 15, 651-658. | 3.6 | 58 |
| 41 | Failure mechanisms in fibrous scaffolds. Acta Biomaterialia, 2013, 9, 7326-7334. | 8.3 | 58 |
| 42 | Uniaxial and biaxial mechanical behavior of human amnion. Journal of Materials Research, 2005, 20, 2902-2909. | 2.6 | 57 |
| 43 | Multi-scale mechanical response of freeze-dried collagen scaffolds for tissue engineering applications. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 42, 19-25. | 3.1 | 56 |
| 44 | Examination of local variations in viscous, elastic, and plastic indentation responses in healing bone. Journal of Materials Science: Materials in Medicine, 2007, 18, 623-628. | 3.6 | 54 |
| 45 | Deformation mechanisms of human amnion: Quantitative studies based on second harmonic generation microscopy. Journal of Biomechanics, 2015, 48, 1606-1613. | 2.1 | 53 |
| 46 | Three-dimensional modeling of human placental terminal villi. Placenta, 2016, 43, 54-60. | 1.5 | 51 |
| 47 | Structural determinants of hydration, mechanics and fluid flow in freeze-dried collagen scaffolds. Acta Biomaterialia, 2016, 41, 193-203. | 8.3 | 51 |
| 48 | Composite hydrogels for nucleus pulposus tissue engineering. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 11, 16-26. | 3.1 | 49 |
| 49 | Viscous-elastic-plastic behavior of bone using Berkovich nanoindentation. Mechanics of Time-Dependent Materials, 2010, 14, 111-124. | 4.4 | 46 |
| 50 | Size effects in indentation of hydrated biological tissues. Journal of Materials Research, 2012, 27, 245-255. | 2.6 | 45 |
| 51 | Measuring the compressive viscoelastic mechanical properties of human cervical tissue using indentation. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 34, 18-26. | 3.1 | 42 |
| 52 | Viscoelastic Properties of Membranes Measured by Spherical Indentation. Cellular and Molecular Bioengineering, 2009, 2, 49-56. | 2.1 | 40 |
| 53 | Nanoindentation of the insertional zones of human meniscal attachments into underlying bone. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 339-347. | 3.1 | 38 |
| 54 | Poroviscoelastic characterization of particle-reinforced gelatin gels using indentation and homogenization. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 610-617. | 3.1 | 38 |

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|---|---|---|---|
| 55 | Branching toughens fibrous networks. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 12, 74-82. | 3.1 | 38 |
| 56 | Function and failure of the fetal membrane: Modelling the mechanics of the chorion and amnion. PLoS ONE, 2017, 12, e0171588. | 2.5 | 38 |
| 57 | Indentation responses of time-dependent films on stiff substrates. Journal of Materials Research, 2004, 19, 2487-2497. | 2.6 | 37 |
| 58 | Biomimetic bone-like composites fabricated through an automated alternate soaking process. Acta Biomaterialia, 2011, 7, 3586-3594. | 8.3 | 36 |
| 59 | Relationship between permeability and diffusivity in polyethylene glycol hydrogels. AIP Advances, 2018, 8, 105006. | 1.3 | 36 |
| 60 | Failure Properties of Cervical Spinal Ligaments Under Fast Strain Rate Deformations. Spine, 2007, 32, E7-E13. | 2.0 | 35 |
| 61 | The Materials Science of Bone: Lessons from Nature for Biomimetic Materials Synthesis. MRS Bulletin, 2008, 33, 49-55. | 3.5 | 35 |
| 62 | Uniaxial stressâ€“relaxation and stressâ€“strain responses of human amnion. Journal of Materials Science: Materials in Medicine, 2004, 15, 619-624. | 3.6 | 33 |
| 63 | Mechanical behaviour of electrospun fibre-reinforced hydrogels. Journal of Materials Science: Materials in Medicine, 2014, 25, 681-690. | 3.6 | 33 |
| 64 | Mechanical measurements of heterogeneity and length scale effects in PEG-based hydrogels. Soft Matter, 2015, 11, 7191-7200. | 2.7 | 33 |
| 65 | Estimating material elasticity by spherical indentation load-relaxation tests on viscoelastic samples of finite thickness. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1418-1429. | 3.0 | 32 |
| 66 | Nanoindentation behavior and mechanical properties measurement of polymeric materials. International Journal of Materials Research, 2007, 98, 370-378. | 0.3 | 31 |
| 67 | Systematic mechanical evaluation of electrospun gelatin meshes. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 69, 412-419. | 3.1 | 30 |
| 68 | Mechanical properties and cytocompatibility of biomimetic hydroxyapatite-gelatin nanocomposites. Journal of Materials Research, 2006, 21, 3090-3098. | 2.6 | 29 |
| 69 | Do we know the strength of the chorioamnion?. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2009, 144, S128-S133. | 1.1 | 29 |
| 70 | Technique for estimating fracture resistance of cultured neocartilage. Journal of Materials Science: Materials in Medicine, 2001, 12, 327-332. | 3.6 | 28 |
| 71 | Computational modeling of the structure-function relationship in human placental terminal villi. Journal of Biomechanics, 2016, 49, 3780-3787. | 2.1 | 27 |
| 72 | Abnormal fetal muscle forces result in defects in spinal curvature and alterations in vertebral segmentation and shape. Journal of Orthopaedic Research, 2017, 35, 2135-2144. | 2.3 | 27 |

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|---|---|---|---|
| 73 | Cartilage-like electrostatic stiffening of responsive cryogel scaffolds. Scientific Reports, 2017, 7, 42948. | 3.3 | 27 |
| 74 | Spherical indentation of a finite poroelastic coating. Applied Physics Letters, 2008, 93, . | 3.3 | 26 |
| 75 | Indentation across interfaces between stiff and compliant tissues. Acta Biomaterialia, 2017, 56, 36-43. | 8.3 | 26 |
| 76 | Permeability and shear modulus of articular cartilage in growing mice. Biomechanics and Modeling in Mechanobiology, 2016, 15, 205-212. | 2.8 | 25 |
| 77 | Micromechanical poroelastic and viscoelastic properties of ex-vivo soft tissues. Journal of Biomechanics, 2020, 113, 110090. | 2.1 | 25 |
| 78 | Applications of Alginate-Based Bioinks in 3D Bioprinting. International Journal of Molecular Sciences, 2016, 17, 1976. | 4.1 | 24 |
| 79 | Toughening in electrospun fibrous scaffolds. APL Materials, 2015, 3, . | 5.1 | 22 |
| 80 | Indentation variability of natural nanocomposite materials. Journal of Materials Research, 2008, 23, 760-767. | 2.6 | 21 |
| 81 | Investigation of the intrinsic permeability of ice-templated collagen scaffolds as a function of their structural and mechanical properties. Acta Biomaterialia, 2019, 83, 189-198. | 8.3 | 20 |
| 82 | Nanomechanical properties of modern and fossil bone. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 289, 25-32. | 2.3 | 19 |
| 83 | Time-dependent fracture toughness of cornea. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 34, 116-123. | 3.1 | 19 |
| 84 | Interrelated chemical-microstructural-nanomechanical variations in the structural units of the cuttlebone of <i>Sepia officinalis</i>. APL Materials, 2017, 5, . | 5.1 | 19 |
| 85 | Age-related changes in mouse bone permeability. Journal of Biomechanics, 2014, 47, 1110-1116. | 2.1 | 18 |
| 86 | Investigation of the Youngâ€™s modulus and thermal expansion of amorphous titania-doped tantala films. Applied Optics, 2014, 53, 3196. | 1.8 | 17 |
| 87 | Viscoelastic effects in small-scale indentation of biological materials. International Journal of Surface Science and Engineering, 2007, 1, 180. | 0.4 | 16 |
| 88 | Viscoelastic analysis of single-component and composite PEG and alginate hydrogels. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 7-14. | 3.4 | 14 |
| 89 | Award Winner in the Young Investigator Category, 2014 Society for Biomaterials Annual Meeting and Exposition, Denver, Colorado, April 16â€“19, 2014: Periodically perforated coreâ€“shell collagen biomaterials balance cell infiltration, bioactivity, and mechanical properties. Journal of Biomedical Materials Research - Part A, 2014, 102, 917-927. | 4.0 | 13 |
| 90 | Bioengineering Approaches for Placental Research. Annals of Biomedical Engineering, 2021, 49, 1805-1818. | 2.5 | 13 |

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|---|---|---|---|
| 91 | Preparation of polymeric samples containing a graduated modulus region and development of nanoindentation linescan techniques. Polymer Testing, 2010, 29, 494-502. | 4.8 | 11 |
| 92 | Biomimetic calcium carbonateâ€"gelatin composites as a model system for eggshell mineralization. Journal of Materials Research, 2012, 27, 3157-3164. | 2.6 | 11 |
| 93 | Villous Tree Model with Active Contractions for Estimating Blood Flow Conditions in the Human Placenta. Open Biomedical Engineering Journal, 2017, 11, 36-48. | 0.5 | 11 |
| 94 | Compressive failure of hydrogel spheres. Journal of Materials Research, 2020, 35, 1227-1235. | 2.6 | 11 |
| 95 | Stiffening by Osmotic Swelling Constraint in Cartilageâ€Like Cell Culture Scaffolds. Macromolecular Bioscience, 2018, 18, e1800247. | 4.1 | 10 |
| 96 | Fracture toughness of human amniotic membranes. Interface Focus, 2019, 9, 20190012. | 3.0 | 10 |
| 97 | Hard-Soft Tissue Interface Engineering. Advances in Experimental Medicine and Biology, 2015, 881, 187-204. | 1.6 | 10 |
| 98 | Relating viscoelastic nanoindentation creep and load relaxation experiments. International Journal of Materials Research, 2008, 99, 823-828. | 0.3 | 9 |
| 99 | Special issue on nanoindentation of biological materials. Journal of the Mechanical Behavior of Biomedical Materials, 2009, 2, 311. | 3.1 | 9 |
| 100 | Gelatin nanofiber-reinforced alginate gel scaffolds for corneal tissue engineering. , 2013, 2013, 6671-4. | | 9 |
| 101 | Patellar tendon augmentation after removal of its central third limits joint tissue changes. Journal of Orthopaedic Research, 1999, 17, 28-36. | 2.3 | 8 |
| 102 | Electrospun Fiber - Hydrogel Composites for Nucleus Pulposus Tissue Engineering. Materials Research Society Symposia Proceedings, 2012, 1417, 42. | 0.1 | 8 |
| 103 | An interpenetrating network composite for a regenerative spinal disc application. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 842-848. | 3.1 | 8 |
| 104 | The viscoelastic response of electrospun poly(vinyl alcohol) mats. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 383-388. | 3.1 | 8 |
| 105 | On the failure and fracture of hydrogels for cartilage replacement. JPhys Materials, 2021, 4, 021001. | 4.2 | 8 |
| 106 | A poroelastic master curve for timeâ€dependent and multiscale mechanics of hydrogels. Journal of Materials Research, 2021, 36, 2582-2590. | 2.6 | 8 |
| 107 | Engineering Approaches for Understanding Osteogenesis: Hydrogels as Synthetic Bone Microenvironments. Hormone and Metabolic Research, 2016, 48, 726-736. | 1.5 | 7 |
| 108 | A Model for Nonlinear Viscoelastic Mechanical Responses of Collagenous Soft Tissues. Materials Research Society Symposia Proceedings, 2005, 898, 1. | 0.1 | 6 |

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|---|---|---|---|
| 109 | Creep properties from indentation tests by analytical and numerical techniques. International Journal of Materials Research, 2009, 100, 954-959. | 0.3 | 6 |
| 110 | Poroelastic Indentation Analysis for Hydrated Biological Tissues. Materials Research Society Symposia Proceedings, 2006, 975, 1. | 0.1 | 5 |
| 111 | Nanoindentation and Finite Element Analysis of Resin-Embedded Bone Samples as a Three-Phase Composite Material. Materials Research Society Symposia Proceedings, 2005, 874, 1. | 0.1 | 4 |
| 112 | Tuneable bioinspired lens. Bioinspiration and Biomimetics, 2015, 10, 046004. | 2.9 | 4 |
| 113 | Premature Rupture of Membranes and Severe Weather Systems. Frontiers in Physiology, 2020, 11, 524. | 2.8 | 4 |
| 114 | Load-Relaxation Characteristics of Chemical and Physical Hydrogels as Soft Tissue Mimics. Experimental Mechanics, 2021, 61, 939-949. | 2.0 | 4 |
| 115 | Spherical Indentation Creep Following Ramp Loading. Materials Research Society Symposia Proceedings, 2004, 841, R5.9.1. | 0.1 | 3 |
| 116 | Finite Element Modeling of Bone Ultrastructure as a Two-phase Composite. Materials Research Society Symposia Proceedings, 2004, 844, 1. | 0.1 | 3 |
| 117 | Elastic Modulus and Mineral Density of Dentine and Enamel in Natural Caries Lesions. Materials Research Society Symposia Proceedings, 2005, 874, 1. | 0.1 | 3 |
| 118 | Bioengineering in women's health: part I. Interface Focus, 2019, 9, 20190042. | 3.0 | 3 |
| 119 | Computational modeling in pregnancy biomechanics research. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 128, 105099. | 3.1 | 3 |
| 120 | Indentation of Nonlinearly Viscoelastic Solids. Materials Research Society Symposia Proceedings, 2007, 1049, 1. | 0.1 | 2 |
| 121 | Viscoelastic Behavior of a Centrally Loaded Circular Film Being Clamped at the Circumference. Materials Research Society Symposia Proceedings, 2007, 1049, 1. | 0.1 | 2 |
| 122 | Fracture Resistance of Human Amnion. , 2007, , 841. | | 2 |
| 123 | 3D surface reconstruction of human terminal villi and the fetal capillary bed. Placenta, 2014, 35, A8-A9. | 1.5 | 2 |
| 124 | Correlating Microstructure to in situ Micromechanical Behaviour and Toughening Strategies in Biological Materials. Microscopy and Microanalysis, 2019, 25, 372-373. | 0.4 | 2 |
| 125 | Bioengineering in women's health, volume 2: pregnancyâ€"from implantation to parturition. Interface Focus, 2019, 9, 20190081. | 3.0 | 2 |
| 126 | Uniaxial and Biaxial Mechanical Behavior of Human Amnion. Materials Research Society Symposia Proceedings, 2004, 844, 1. | 0.1 | 1 |

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| 127 | Effects of gelatin on mechanical properties of hydroxyapatite-gelatin nano-composites. Materials Research Society Symposia Proceedings, 2005, 898, 1. | 0.1 | 1 |
| 128 | Nanoindentation Measurements of Bone Viscoelasticity as a Function of Hydration State. Materials Research Society Symposia Proceedings, 2005, 898, 1. | 0.1 | 1 |
| 129 | Effect of Water on Mechanical Properties of Mineralized Tissue Composites. Materials Research Society Symposia Proceedings, 2006, 975, 1. | 0.1 | 1 |
| 130 | Quantitative modelling of viscoelasticity of isotropic fibrous composites with viscoelastic matrices. Theoretical and Applied Mechanics Letters, 2011, 1, 052006. | 2.8 | 1 |
| 131 | Multi-Scale Permeability of Murine Bone Measured by Nanoindentation. , 2013, , . | | 1 |
| 132 | Nanobiomechanics of living materials. Interface Focus, 2014, 4, 20140001. | 3.0 | 1 |
| 133 | Towards the Development of a Cartilage-like Nanofiber-Hydrogel Composite. MRS Advances, 2020, 5, 1783-1790. | 0.9 | 1 |
| 134 | Multiscale Mechanics of Eggshell and Shell Membrane. Jom, 2021, 73, 1676-1683. | 1.9 | 1 |
| 135 | Bone Composite Mechanics Related to Collagen Hydration State. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2010, , 269-276. | 0.2 | 1 |
| 136 | Variability of Nanoindentation Responses of Bone and Artificial Bone-Like Composites. , 2004, , . | | 1 |
| 137 | Time-Dependent Indentation Response of Human Cervical Tissue. , 2012, , . | | 1 |
| 138 | A poroelastic master curve for time-dependent and multiscale mechanics of hydrogels. Journal of Materials Research, 2021, 36, 1-9. | 2.6 | 1 |
| 139 | Constitutive model development of fetal membrane mechanics: Mechanical testing and numerical simulation. American Journal of Obstetrics and Gynecology, 2005, 193, S112. | 1.3 | 0 |
| 140 | Fracture and Energy Partitioning in Uncooked and Cooked Noodles. Materials Research Society Symposia Proceedings, 2006, 975, 1. | 0.1 | 0 |
| 141 | Interest in Bone-Like Materials Includes Thermal Qualities. MRS Bulletin, 2008, 33, 725-725. | 3.5 | 0 |
| 142 | Biomimetic Mineral-Protein Composites formed by an Automated Alternate Soaking Process. Materials Research Society Symposia Proceedings, 2012, 1419, 1. | 0.1 | 0 |
| 143 | <i>In vitro</i>characterisation of the elasticity and the permeability of the mouse cartilage during growth using microindentation. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 68-69. | 1.6 | 0 |
| 144 | Inverse Finite Element Analysis of the Indentation Response of Human Cervical Tissue. , 2013, , . | | 0 |