

# Sally Roberts

## List of Publications by Year in descending order

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93  
papers

9,412  
citations

71102

41  
h-index

48315

88  
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94  
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94  
docs citations

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times ranked

6980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteochondral Lesions of the Ankle Treated with Bone Marrow Concentrate with Hyaluronan and Fibrin: A Single-Centre Study. <i>Cells</i> , 2022, 11, 629.	4.1	4
2	Perlecan in the Natural and Cell Therapy Repair of Human Adult Articular Cartilage: Can Modifications in This Proteoglycan Be a Novel Therapeutic Approach?. <i>Biomolecules</i> , 2021, 11, 92.	4.0	12
3	Identification of Candidate Synovial Fluid Biomarkers for the Prediction of Patient Outcome After Microfracture or Osteotomy. <i>American Journal of Sports Medicine</i> , 2021, 49, 1512-1523.	4.2	11
4	An In Vitro System to Study the Effect of Subchondral Bone Health on Articular Cartilage Repair in Humans. <i>Cells</i> , 2021, 10, 1903.	4.1	3
5	Human Mesenchymal Stromal Cells Enhance Cartilage Healing in a Murine Joint Surface Injury Model. <i>Cells</i> , 2021, 10, 1999.	4.1	6
6	Cell therapy for cartilage repair. <i>Emerging Topics in Life Sciences</i> , 2021, 5, 575-589.	2.6	24
7	Is Osteogenic Differentiation of Human Nucleus Pulposus Cells a Possibility for Biological Spinal Fusion?. <i>Cartilage</i> , 2020, 11, 181-191.	2.7	12
8	John P. O'Brien. <i>Spine</i> , 2020, 45, 635-640.	2.0	0
9	Characterization of regional meniscal cell and chondrocyte phenotypes and chondrogenic differentiation with histological analysis in osteoarthritic donor-matched tissues. <i>Scientific Reports</i> , 2020, 10, 21658.	3.3	7
10	The synovial fluid from patients with focal cartilage defects contains mesenchymal stem/stromal cells and macrophages with pro- and anti-inflammatory phenotypes. <i>Osteoarthritis and Cartilage Open</i> , 2020, 2, 100039.	2.0	6
11	Current Treatment Options for Intervertebral Disc Pathologies. <i>Cartilage</i> , 2020, 11, 143-151.	2.7	27
12	A comprehensive characterisation of large-scale expanded human bone marrow and umbilical cord mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2019, 10, 99.	5.5	53
13	Predictors of fracture healing in patients with recalcitrant nonunions treated with autologous culture expanded bone marrow-derived mesenchymal stromal cells. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1303-1309.	2.3	7
14	Human Articular Chondrocytes Retain Their Phenotype in Sustained Hypoxia While Normoxia Promotes Their Immunomodulatory Potential. <i>Cartilage</i> , 2019, 10, 467-479.	2.7	34
15	Cell Clusters Are Indicative of Stem Cell Activity in the Degenerate Intervertebral Disc: Can Their Properties Be Manipulated to Improve Intrinsic Repair of the Disc?. <i>Stem Cells and Development</i> , 2018, 27, 147-165.	2.1	26
16	Two independent proteomic approaches provide a comprehensive analysis of the synovial fluid proteome response to Autologous Chondrocyte Implantation. <i>Arthritis Research and Therapy</i> , 2018, 20, 87.	3.5	7
17	Magnetic Resonance Imaging Parameters at 1 Year Correlate With Clinical Outcomes Up to 17 Years After Autologous Chondrocyte Implantation. <i>Orthopaedic Journal of Sports Medicine</i> , 2018, 6, 232596711878828.	1.7	33
18	Development of a Tool to Predict Outcome of Autologous Chondrocyte Implantation. <i>Cartilage</i> , 2017, 8, 119-130.	2.7	25

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19	Staying connected: structural integration at the intervertebral disc-vertebra interface of human lumbar spines. <i>European Spine Journal</i> , 2017, 26, 248-258.	2.2	50
20	Efficacy and safety of autologous cell therapies for knee cartilage defects (autologous stem cells). <i>Arthritis Research and Therapy</i> , 2017, 19, 150.	1.7	12
21	The Absence of Detectable ADAMTS-4 (Aggrecanase-1) Activity in Synovial Fluid Is a Predictive Indicator of Autologous Chondrocyte Implantation Success. <i>American Journal of Sports Medicine</i> , 2017, 45, 1806-1814.	4.2	10
22	Contaminants in commercial preparations of "purified" small leucine-rich proteoglycans may distort mechanistic studies. <i>Bioscience Reports</i> , 2017, 37, .	2.4	3
23	Autologous chondrocyte implantation-derived synovial fluids display distinct responder and non-responder proteomic profiles. <i>Arthritis Research and Therapy</i> , 2017, 19, 150.	3.5	19
24	A case study: Glycosaminoglycan profiles of autologous chondrocyte implantation (ACI) tissue improve as the tissue matures. <i>Knee</i> , 2017, 24, 149-157.	1.6	5
25	Chondrogenic Potency Analyses of Donor-Matched Chondrocytes and Mesenchymal Stem Cells Derived from Bone Marrow, Infrapatellar Fat Pad, and Subcutaneous Fat. <i>Stem Cells International</i> , 2016, 2016, 1-11.	2.5	44
26	Temporal Analyses of the Response of Intervertebral Disc Cells and Mesenchymal Stem Cells to Nutrient Deprivation. <i>Stem Cells International</i> , 2016, 2016, 1-13.	2.5	14
27	Ageing in the musculoskeletal system. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 87, 15-25.	3.3	82
28	Biological challenges for regeneration of the degenerated disc using cellular therapies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 87, 39-46.	3.3	20
29	Evaluating Joint Morbidity after Chondral Harvest for Autologous Chondrocyte Implantation (ACI). <i>Cartilage</i> , 2016, 7, 7-15.	2.7	37
30	Cellular senescence in aging and osteoarthritis. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 87, 6-14.	3.3	96
31	Characterisation of synovial fluid and infrapatellar fat pad derived mesenchymal stromal cells: The influence of tissue source and inflammatory stimulus. <i>Scientific Reports</i> , 2016, 6, 24295.	3.3	56
32	Mesenchymal stromal cells derived from whole human umbilical cord exhibit similar properties to those derived from Wharton's jelly and bone marrow. <i>FEBS Open Bio</i> , 2016, 6, 1054-1066.	2.3	37
33	Autologous Bone Plug Supplemented With Autologous Chondrocyte Implantation in Osteochondral Defects of the Knee. <i>American Journal of Sports Medicine</i> , 2016, 44, 1249-1259.	4.2	16
34	High content and high throughput screening to assess the angiogenic and neurogenic actions of mesenchymal stem cells in vitro. <i>Experimental Cell Research</i> , 2015, 333, 93-104.	2.6	3
35	Cartilage Repair in the Hip. , 2014, , 259-266.		1
36	Spinal motor neurite outgrowth over glial scar inhibitors is enhanced by coculture with bone marrow stromal cells. <i>Spine Journal</i> , 2014, 14, 1722-1733.	1.3	20

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37	Bone Marrow-Derived Mesenchymal Stem Cells Become Antiangiogenic When Chondrogenically or Osteogenically Differentiated: Implications for Bone and Cartilage Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2014, 20, 147-159.	3.1	35
38	Cell sources for nucleus pulposus regeneration. <i>European Spine Journal</i> , 2014, 23, 364-374.	2.2	48
39	Viability, growth kinetics and stem cell markers of single and clustered cells in human intervertebral discs: implications for regenerative therapies. <i>European Spine Journal</i> , 2014, 23, 2462-2472.	2.2	22
40	Advances in the diagnosis of degenerated lumbar discs and their possible clinical application. <i>European Spine Journal</i> , 2014, 23, 315-323.	2.2	53
41	Biochemical composition and turnover of the extracellular matrix of the normal and degenerate intervertebral disc. <i>European Spine Journal</i> , 2014, 23, 344-353.	2.2	94
42	Cell Cultured Chondrocyte Implantation and Scaffold Techniques for Osteochondral Talar Lesions. <i>Foot and Ankle Clinics</i> , 2013, 18, 135-150.	1.3	19
43	Characterization of the cells in repair tissue following autologous chondrocyte implantation in mankind: a novel report of two cases. <i>Regenerative Medicine</i> , 2013, 8, 699-709.	1.7	9
44	Increased Production of Clusterin in Biopsies of Repair Tissue following Autologous Chondrocyte Implantation. <i>Cartilage</i> , 2013, 4, 227-238.	2.7	8
45	Fourier Transform Infrared Imaging and Infrared Fiber Optic Probe Spectroscopy Identify Collagen Type in Connective Tissues. <i>PLoS ONE</i> , 2013, 8, e64822.	2.5	43
46	Isolation and Characterisation of Mesenchymal Stem Cells from Different Regions of the Human Umbilical Cord. <i>BioMed Research International</i> , 2013, 2013, 1-8.	1.9	107
47	Surgeons and scientists: symbiosis in spinal research?. <i>European Spine Journal</i> , 2012, 21, 1681-1683.	2.2	0
48	A comparative evaluation of the small leucine-rich proteoglycans of pathological human intervertebral discs. <i>European Spine Journal</i> , 2012, 21, 154-159.	2.2	48
49	Initiation and progression of ossification of the posterior longitudinal ligament of the cervical spine in the hereditary spinal hyperostotic mouse (twy/twy). <i>European Spine Journal</i> , 2012, 21, 149-155.	2.2	20
50	A mathematical model of cartilage regeneration after cell therapy. <i>Journal of Theoretical Biology</i> , 2011, 289, 136-150.	1.7	18
51	International Cartilage Repair Society (ICRS) Recommended Guidelines for Histological Endpoints for Cartilage Repair Studies in Animal Models and Clinical Trials. <i>Cartilage</i> , 2011, 2, 153-172.	2.7	130
52	The influence of nutrient supply and cell density on the growth and survival of intervertebral disc cells in 3D culture. , 2011, 22, 97-108.		48
53	Lubricin. <i>Cartilage</i> , 2010, 1, 298-305.	2.7	5
54	A New Histology Scoring System for the Assessment of the Quality of Human Cartilage Repair: ICRS II. <i>American Journal of Sports Medicine</i> , 2010, 38, 880-890.	4.2	250

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55	Disc cell clusters in pathological human intervertebral discs are associated with increased stress protein immunostaining. <i>European Spine Journal</i> , 2009, 18, 1587-1594.	2.2	34
56	Nucleus pulposus cells as competent phagocytes to clear apoptotic cells: mission applicable or impossible? Authors' response. <i>Arthritis Research and Therapy</i> , 2009, 11, 406.	3.5	0
57	Intervertebral Disc Cell Death in the Porcine and Human Injured Cervical Spine After Trauma. <i>Spine</i> , 2009, 34, 131-140.	2.0	24
58	Mechanical Stimulation Alters Pleiotrophin and Aggrecan Expression by Human Intervertebral Disc Cells and Influences Their Capacity to Stimulate Endothelial Cell Migration. <i>Spine</i> , 2009, 34, 663-669.	2.0	27
59	Tissue engineering and the intervertebral disc: the challenges. <i>European Spine Journal</i> , 2008, 17, 480-491.	2.2	192
60	Bovine explant model of degeneration of the intervertebral disc. <i>BMC Musculoskeletal Disorders</i> , 2008, 9, 24.	1.9	64
61	The influence of serum, glucose and oxygen on intervertebral disc cell growth in vitro: implications for degenerative disc disease. <i>Arthritis Research and Therapy</i> , 2008, 10, R46.	3.5	58
62	Collagen Turnover in Normal and Degenerate Human Intervertebral Discs as Determined by the Racemization of Aspartic Acid. <i>Journal of Biological Chemistry</i> , 2008, 283, 8796-8801.	3.4	117
63	The Presence of Pleiotrophin in the Human Intervertebral Disc Is Associated With Increased Vascularization. <i>Spine</i> , 2007, 32, 1295-1302.	2.0	44
64	Bone marrow stromal cells stimulate neurite outgrowth over neural proteoglycans (CSPG), myelin associated glycoprotein and Nogo-A. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 559-566.	2.1	71
65	Glycosaminoglycan profiles of repair tissue formed following autologous chondrocyte implantation differ from control cartilage. <i>Arthritis Research and Therapy</i> , 2007, 9, R79.	3.5	39
66	A Randomized Trial Comparing Autologous Chondrocyte Implantation with Microfracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 2105-2112.	3.0	590
67	Microfibrils, elastin fibres and collagen fibres in the human intervertebral disc and bovine tail disc. <i>Journal of Anatomy</i> , 2007, 210, 460-471.	1.5	144
68	A Randomized Trial Comparing Autologous Chondrocyte Implantation with Microfracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2007, 89, 2105-2112.	3.0	398
69	Autologous chondrocyte implantation with bone grafting for osteochondral defect due to posttraumatic osteonecrosis of the hip—a case report. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 77, 333-336.	3.3	73
70	Human Intervertebral Disc Cells Promote Nerve Growth Over Substrata of Human Intervertebral Disc Aggrecan. <i>Spine</i> , 2006, 31, 1187-1193.	2.0	42
71	Aggrecan Turnover in Human Intervertebral Disc as Determined by the Racemization of Aspartic Acid*. <i>Journal of Biological Chemistry</i> , 2006, 281, 13009-13014.	3.4	78
72	Histology and Pathology of the Human Intervertebral Disc. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 10-14.	3.0	571

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73	Human Intervertebral Disc Aggrecan Inhibits Endothelial Cell Adhesion and Cell Migration In Vitro. Spine, 2005, 30, 1139-1147.	2.0	129
74	TNF $\alpha$ -stimulated gene product (TSG-6) and its binding protein, I $\beta$ I, in the human intervertebral disc: new molecules for the disc. European Spine Journal, 2005, 14, 36-42.	2.2	32
75	Inflammatory Mediators as Potential Therapeutic Targets in the Spine. Inflammation and Allergy: Drug Targets, 2005, 4, 257-266.	3.1	20
76	Autologous Chondrocyte Implantation in Knee Joint: MR Imaging and Histologic Features at 1-year Follow-up. Radiology, 2005, 234, 501-508.	7.3	136
77	Microscopic Methods for the Analysis of Engineered Tissues. , 2004, 238, 171-196.		7
78	Autologous Chondrocyte Implantation Compared with Microfracture in the Knee. Journal of Bone and Joint Surgery - Series A, 2004, 86, 455-464.	3.0	1,120
79	Degeneration of the intervertebral disc. Arthritis Research, 2003, 5, 120.	2.0	976
80	Cells of the intervertebral disc: Making the best of a bad environment. Biochemist, 2003, 25, 15-17.	0.5	7
81	HISTOLOGICAL ASSESSMENT OF CARTILAGE REPAIR. Journal of Bone and Joint Surgery - Series A, 2003, 85, 45-57.	3.0	485
82	Histological assessment of cartilage repair: a report by the Histology Endpoint Committee of the International Cartilage Repair Society (ICRS). Journal of Bone and Joint Surgery - Series A, 2003, 85-A Suppl 2, 45-57.	3.0	177
83	Increased Nerve and Blood Vessel Ingrowth Associated With Proteoglycan Depletion in an Ovine Anular Lesion Model of Experimental Disc Degeneration. Spine, 2002, 27, 1278-1285.	2.0	159
84	Cells From Different Regions of the Intervertebral Disc. Spine, 2002, 27, 1018-1028.	2.0	157
85	Human intervertebral disc aggrecan inhibits nerve growth in vitro. Arthritis and Rheumatism, 2002, 46, 2658-2664.	6.7	165
86	Elastic fibre organization in the intervertebral discs of the bovine tail. Journal of Anatomy, 2002, 201, 465-475.	1.5	154
87	Autologous chondrocyte implantation for cartilage repair: monitoring its success by magnetic resonance imaging and histology. Arthritis Research, 2002, 5, R60-73.	2.0	287
88	Cell Cluster Formation in Degenerate Lumbar Intervertebral Discs is Associated with Increased Disc Cell Proliferation. Connective Tissue Research, 2001, 42, 197-207.	2.3	156
89	Matrix turnover in human cartilage repair tissue in autologous chondrocyte implantation. Arthritis and Rheumatism, 2001, 44, 2586-2598.	6.7	115
90	Matrix Metalloproteinases And Aggrecanase. Spine, 2000, 25, 3005-3013.	2.0	438

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91	Matrix Metalloproteinases in the Human Intervertebral Disc: Role in Disc Degeneration and Scoliosis. Spine, 1997, 22, 2877-2884.	2.0	187
92	Development and degeneration of the intervertebral discs. Trends in Molecular Medicine, 1995, 1, 329-335.	2.6	89
93	Proteoglycan components of the intervertebral disc and cartilage endplate: an immunolocalization study of animal and human tissues. The Histochemical Journal, 1994, 26, 402-411.	0.6	69