

# Matthew E Cunningham

## List of Publications by Year in descending order

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72  
papers

2,032  
citations

257450

24  
h-index

254184

43  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2178  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effects of Adolescent Idiopathic Scoliosis on Axial Rotation of the Spine: A Study of Twisting Using Surface Topography. <i>Children</i> , 2022, 9, 670.	1.5	2
2	Reliability of automated topographic measurements for spine deformity. <i>Spine Deformity</i> , 2022, 10, 1035-1045.	1.5	10
3	Classification system for cervical spine deformity morphology: a validation study. <i>Journal of Neurosurgery: Spine</i> , 2022, 37, 865-873.	1.7	1
4	Patients with abnormal microarchitecture have an increased risk of early complications after spinal fusion surgery. <i>Bone</i> , 2021, 143, 115731.	2.9	13
5	Activation of nuclear factor-kappa B by TNF promotes nucleus pulposus mineralization through inhibition of ANKH and ENPP1. <i>Scientific Reports</i> , 2021, 11, 8271.	3.3	7
6	Prevalence of Cannabidiol Use in Patients With Spine Complaints: Results of an Anonymous Survey. <i>International Journal of Spine Surgery</i> , 2021, 15, 663-668.	1.5	10
7	New Strategies in Enhancing Spinal Fusion. <i>HSS Journal</i> , 2020, 16, 177-182.	1.7	8
8	Locally Applied Simvastatin as an Adjunct to Promote Spinal Fusion in Rats. <i>Spine</i> , 2019, 44, 1042-1048.	2.0	6
9	Additional Risk Factors for Adding-On After Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis: Implication of Lowest Instrumented Vertebra Angle and Lumbosacral Takeoff. <i>Spine Deformity</i> , 2018, 6, 164-169.	1.5	10
10	Building Consensus: Development of Best Practice Guidelines on Wrong Level Surgery in Spinal Deformity. <i>Spine Deformity</i> , 2018, 6, 121-129.	1.5	19
11	Long-term (10-yr) MRI follow-up of paraspinal muscle quality after posterior fusion for adolescent idiopathic scoliosis. <i>Current Orthopaedic Practice</i> , 2018, 29, 461-465.	0.2	0
12	Leg-Length Discrepancy, Functional Scoliosis, and Low Back Pain. <i>JBJS Reviews</i> , 2018, 6, e6-e6.	2.0	39
13	Sagittal Spinal Alignment in Adult Spinal Deformity. <i>JBJS Reviews</i> , 2018, 6, e2-e2.	2.0	52
14	Assessment of Vertebral Curves Using the Manual Post-It Technique. <i>Clinical Spine Surgery</i> , 2017, 30, E148-E151.	1.3	1
15	Does adolescent obesity affect surgical presentation and radiographic outcome for patients with adolescent idiopathic scoliosis?. <i>Journal of Pediatric Orthopaedics Part B</i> , 2017, 26, 53-58.	0.6	10
16	Treatment for Degenerative Lumbar Spondylolisthesis: Current Concepts and New Evidence. <i>Current Reviews in Musculoskeletal Medicine</i> , 2017, 10, 521-529.	3.5	38
17	Vertebral column resection for complex spinal deformity. <i>Seminars in Spine Surgery</i> , 2017, 29, 175-183.	0.2	2
18	Distal Fusion Level Selection in Scheuermann's Kyphosis: A Comparison of Lordotic Disc Segment Versus the Sagittal Stable Vertebrae. <i>Global Spine Journal</i> , 2017, 7, 254-259.	2.3	22

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19	Vitamin C is Required To Allow Sustained IL-1 $\beta$ -Induced Suppression of The Pyrophosphate Regulators ANKH and ENPP1 in Bovine Nucleus Pulposus Cells. Orthopedics and Rheumatology Open Access Journal, 2017, 5, .	0.0	1
20	Variations in Sagittal Alignment Parameters Based on Age. Spine, 2016, 41, 1826-1836.	2.0	113
21	Variations in Occipitocervical and Cervicothoracic Alignment Parameters Based on Age. Spine, 2016, 41, 1837-1844.	2.0	72
22	Ratio of lumbar 3-column osteotomy closure: patient-specific deformity characteristics and level of resection impact correction of truncal versus pelvic compensation. European Spine Journal, 2016, 25, 2480-2487.	2.2	13
23	The benefit of nonoperative treatment for adult spinal deformity: identifying predictors for reaching a minimal clinically important difference. Spine Journal, 2016, 16, 210-218.	1.3	44
24	Revision Spine Surgery in the Growing Child. , 2016, , 609-621.		1
25	Do Current Recommendations for Upper Instrumented Vertebra Predict Shoulder Imbalance? An Attempted Validation of Level Selection for Adolescent Idiopathic Scoliosis. HSS Journal, 2015, 11, 216-222.	1.7	39
26	Unplanned Reoperations Affect Long-Term Outcomes in Adult Spinal Deformity Patients Undergoing Long Fusions to the Sacrum. Spine Deformity, 2015, 3, 367-371.	1.5	15
27	Letter to the Editor: Off-label rhBMP-2 use in pediatric spine deformity surgery. Journal of Neurosurgery: Pediatrics, 2015, 15, 545-546.	1.3	2
28	Incidence and Risk Factors for Major Surgical Complications in Patients With Complex Spinal Deformity: A Report From an SRS GOP Site. Spine Deformity, 2015, 3, 57-64.	1.5	34
29	Early outcomes and complications of posterior vertebral column resection. Spine Journal, 2015, 15, 983-991.	1.3	82
30	Paraspinous hemolymphangioma associated with adolescent scoliosis. World Journal of Clinical Cases, 2015, 3, 514.	0.8	4
31	Cervical Lordosis Increases with Age in Adult Spinal Deformity: A Cross-Sectional Study of Nonoperative Patients. Global Spine Journal, 2015, 5, s-0035-1554515-s-0035-1554515.	2.3	0
32	Adult thoracolumbar and lumbar scoliosis treated with long vertebral fusion to the sacropelvis: a comparison between new hybrid selective spinal fusion versus anterior-posterior spinal instrumentation. Spine Journal, 2014, 14, 637-645.	1.3	9
33	Early Results of Sacroiliac Joint Fixation Following Long Fusion to the Sacrum in Adult Spine Deformity. HSS Journal, 2014, 10, 30-35.	1.7	52
34	Surgical Risk Stratification Based on Preoperative Risk Factors in Severe Pediatric Spinal Deformity Surgery. Spine Deformity, 2014, 2, 340-349.	1.5	23
35	Late treatment of tuberculosis-associated kyphosis: literature review and experience from a SRS-GOP site. European Spine Journal, 2013, 22, 641-646.	2.2	55
36	Lumbar Spine Intervertebral Disc Gene Delivery: A Pilot Study in Lewis Rats. HSS Journal, 2013, 9, 36-41.	1.7	5

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37	Outcome of Revision Surgery in Pediatric Spine Deformity Patients. <i>Spine Deformity</i> , 2013, 1, 59-67.	1.5	12
38	Long-term Clinical and Radiographic Outcomes of Pedicle Subtraction Osteotomy for Fixed Sagittal Imbalance: Does Level of Proximal Fusion Affect the Outcome? Minimum 5-Year Follow-up. <i>Spine Deformity</i> , 2013, 1, 123-131.	1.5	28
39	The effect of therapies for osteoporosis on spine fusion: a systematic review. <i>Spine Journal</i> , 2013, 13, 190-199.	1.3	60
40	Comparison of Patient and Surgeon Perceptions of Adverse Events After Adult Spinal Deformity Surgery. <i>Spine</i> , 2013, 38, 732-736.	2.0	28
41	Surgical anatomy, transperitoneal approach, and early postoperative complications of a ventral lumbar spine surgical model in Lewis rats. <i>Comparative Medicine</i> , 2013, 63, 409-15.	1.0	5
42	What's New in Orthopaedic Research. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 2289-2295.	3.0	4
43	Adult spinal deformity surgery. <i>Current Orthopaedic Practice</i> , 2012, 23, 177-180.	0.2	3
44	Degenerative Lumbar Spinal Stenosis. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2012, 20, 527-535.	2.5	91
45	Combined Anterior-Posterior Surgery is the Most Important Risk Factor for Developing Proximal Junctional Kyphosis in Idiopathic Scoliosis. <i>Clinical Orthopaedics and Related Research</i> , 2012, 470, 1633-1639.	1.5	131
46	Image-based tissue engineering of a total intervertebral disc implant for restoration of function to the rat lumbar spine. <i>NMR in Biomedicine</i> , 2012, 25, 443-451.	2.8	39
47	Delayed Pleural Effusion After Anterior Thoracic Spinal Fusion Using Bone Morphogenetic Protein-2. <i>Spine</i> , 2011, 36, E365-E369.	2.0	3
48	Pulmonary Embolism in Spine Surgery. <i>Spine</i> , 2011, 36, 177-179.	2.0	19
49	Pediatric scoliosis. <i>Current Reviews in Musculoskeletal Medicine</i> , 2011, 4, 175-182.	3.5	19
50	What's New in Orthopaedic Research. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 2136-2141.	3.0	12
51	Revision Spine Surgery in the Growing Child. , 2011, , 487-497.		2
52	In Vivo and In Vitro Analysis of Rat Lumbar Spine Mechanics. <i>Clinical Orthopaedics and Related Research</i> , 2010, 468, 2695-2703.	1.5	11
53	What's New in Orthopaedic Research. <i>Journal of Bone and Joint Surgery - Series A</i> , 2010, 92, 2491-2501.	3.0	34
54	Revision Spine Surgery to Manage Pediatric Deformity. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2010, 18, 739-748.	2.5	17

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55	What's New in Orthopaedic Research. Journal of Bone and Joint Surgery - Series A, 2009, 91, 2756-2770.	3.0	1
56	Parathyroid Hormone (1-34) Augments Spinal Fusion, Fusion Mass Volume, and Fusion Mass Quality in a Rabbit Spinal Fusion Model. Spine, 2009, 34, 121-130.	2.0	100
57	Pain and Disability Determine Treatment Modality for Older Patients With Adult Scoliosis, While Deformity Guides Treatment for Younger Patients. Spine, 2009, 34, 2186-2190.	2.0	167
58	Major Complications after Adult Spinal Deformity Surgery. Neurosurgery, 2009, 65, 409-410.	1.1	1
59	What's New in Orthopaedic Research. Journal of Bone and Joint Surgery - Series A, 2008, 90, 1800-1808.	3.0	8
60	What's New in Orthopaedic Research. Journal of Bone and Joint Surgery - Series A, 2007, 89, 2092-2101.	3.0	2
61	Molded Vascularized Neo-ossicle Formation in Silicone Chambers. Clinical Orthopaedics and Related Research, 2007, 465, 249-256.	1.5	2
62	Posterior Vertebral Column Resection for VATER/VACTERL Associated Spinal Deformity: A Case Report. HSS Journal, 2007, 3, 71-76.	1.7	5
63	Partially Overlapping Limited Anterior and Posterior Instrumentation for Adult Thoracolumbar and Lumbar Scoliosis: A Description of Novel Spinal Instrumentation, "The Hybrid Technique". HSS Journal, 2007, 3, 93-98.	1.7	13
64	Spinal Infections in Patients with Compromised Immune Systems. Clinical Orthopaedics and Related Research, 2006, 444, 73-82.	1.5	24
65	Modern biologics used in orthopaedic surgery. Current Opinion in Rheumatology, 2006, 18, 74-79.	4.3	16
66	What's New in Orthopaedic Research. Journal of Bone and Joint Surgery - Series A, 2006, 88, 2314.	3.0	5
67	Fusionless scoliosis surgery. Current Opinion in Pediatrics, 2005, 17, 48-53.	2.0	21
68	Closed partial rupture of a common digital nerve in the palm: A case report. Journal of Hand Surgery, 2005, 30, 100-104.	1.6	26
69	Efficient Generation of Stable Pheochromocytoma (PC12) Cell Lines Using a Recombinant Retrovirus (LNC)., 2001, 169, 135-147.		3
70	Inhibition of Spontaneous Receptor Phosphorylation by Residues in a Putative $\pm$ -Helix in the KIT Intracellular Juxtamembrane Region. Journal of Biological Chemistry, 1999, 274, 13399-13402.	3.4	118
71	A function-structure model for NGF-activated TRK. EMBO Journal, 1998, 17, 7282-7293.	7.8	60
72	Autophosphorylation of Activation Loop Tyrosines Regulates Signaling by the TRK Nerve Growth Factor Receptor. Journal of Biological Chemistry, 1997, 272, 10957-10967.	3.4	127