Timothy D Wilson

List of Publications by Year
in descending order

73 papers	1,435 citations	304368 22 h-index	329751 37 g-index
73 all docs	73 docs citations	73 times ranked	1465 citing authors

#	Article	IF	Citations
1	Learning in Stereo: The Relationship Between Spatial Ability and 3D Digital Anatomy Models. Anatomical Sciences Education, 2022, 15, 291-303.	2.5	5
2	MMA: The Fight Against Sleep Apnea. FASEB Journal, 2022, 36, .	0.2	0
3	Do Our Hands See What Our Eyes See: Investigating the Relationships Between Spatial and Haptic Abilities. FASEB Journal, 2022, 36, .	0.2	0
4	Clinical Anatomy and Unexpected Careers: Is There Curriculum for That?. Anatomical Sciences Education, 2021, 14, 460-470.	2.5	2
5	Visualisation technologiesâ€"I can see clearly now but the feel is gone. Medical Education, 2021, 55, 285-288.	1.1	2
6	Concussion-related deficits in the general population predict impairments in varsity footballers. Journal of Neurology, 2020, 267, 1970-1979.	1.8	2
7	Going Virtual to Support Anatomy Education: A STOPGAP in the Midst of the Covidâ€19 Pandemic. Anatomical Sciences Education, 2020, 13, 279-283.	2.5	219
8	Role of Image and Cognitive Load in Anatomical Multimedia. , 2020, , 301-311.		3
9	The Effects of Incremental Maxillomandibular Advancement Surgery on Airway Morphology. FASEB Journal, 2020, 34, 1-1.	0.2	0
10	Student Attention in the Modern Classroom: An Eyeâ€Tracking Field Study. FASEB Journal, 2020, 34, 1-1.	0.2	0
11	In Pursuit of Excellence Reconsidered: Expertise and Expert Performance in the Teaching, Learning, and Application of Anatomy. Anatomical Sciences Education, 2019, 12, 3-5.	2.5	1
12	Guiding Low Spatial Ability Individuals through Visual Cueing: The Dual Importance of Where and When to Look. Anatomical Sciences Education, 2019, 12, 32-42.	2.5	25
13	Comparison of Magnetic Resonance Angiography and Computed Tomography Angiography Stereoscopic Cerebral Vascular Models. Advances in Experimental Medicine and Biology, 2019, 1205, 1-9.	0.8	2
14	Clinical Anatomy and the Unexpected Career: Is there a Curriculum for that?. FASEB Journal, 2019, 33, 442.10.	0.2	0
15	Buccal injection of articaine to anesthetize the palatal mucosa. General Dentistry, 2019, 67, 26-30.	0.4	2
16	Studentâ€teacher trust and journalâ€reader trust: Engines driving education and research in anatomical sciences. Anatomical Sciences Education, 2018, 11, 5-6.	2.5	5
17	The relationship between spatial ability, cerebral blood flow and learning with dynamic images: A transcranial Doppler ultrasonography study. Medical Teacher, 2018, 40, 174-180.	1.0	14
18	How much do you change? An evaluation of the anatomical consequences of maxillomandibular advancement surgery. FASEB Journal, 2018, 32, .	0.2	0

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19	Evaluating Threeâ€dimensional (3D) Digital Models of Anatomical Variations as Assessment Tools for Undergraduate and Graduate Anatomy Education. FASEB Journal, 2018, 32, 635.29.	0.2	1
20	Professionalism: Moving towards a 360Â° anatomy education. FASEB Journal, 2018, 32, 505.2.	0.2	0
21	Learning and assessment with images: A view of cognitive load through the lens of cerebral blood flow. British Journal of Educational Technology, 2017, 48, 1030-1046.	3.9	18
22	Evaluation of the effectiveness of 3D vascular stereoscopic models in anatomy instruction for first year medical students. Anatomical Sciences Education, 2017, 10, 34-45.	2.5	72
23	Time limits in testing: An analysis of eye movements and visual attention in spatial problem solving. Anatomical Sciences Education, 2017, 10, 528-537.	2.5	14
24	Digital preservation of anatomical variation: 3D-modeling of embalmed and plastinated cadaveric specimens using uCT and MRI. Annals of Anatomy, 2017, 209, 69-75.	1.0	22
25	Changing the Learning Curve in Novice Laparoscopists: Incorporating Direct Visualization into the Simulation Training Program. Journal of Surgical Education, 2017, 74, 30-36.	1.2	9
26	Different perspectives: Spatial ability influences where individuals look on a timed spatial test. Anatomical Sciences Education, 2017, 10, 224-234.	2.5	17
27	The eye of the beholder: Can patterns in eye movement reveal aptitudes for spatial reasoning?. Anatomical Sciences Education, 2016, 9, 357-366.	2.5	14
28	Stereoscopic vascular models of the head and neck: A computed tomography angiography visualization. Anatomical Sciences Education, 2016, 9, 179-185.	2.5	22
29	The development of a virtual 3D model of the renal corpuscle from serial histological sections for <scp>E</scp>â€learning environments. Anatomical Sciences Education, 2015, 8, 574-583.	2.5	16
30	Development of an interactive anatomical threeâ€dimensional eye model. Anatomical Sciences Education, 2015, 8, 275-282.	2.5	42
31	Anatomy of the proximal tibiofibular joint and interosseous membrane, and their contributions to joint kinematics in belowâ€knee amputations. Journal of Anatomy, 2015, 226, 143-149.	0.9	8
32	Head to head: The role of academic competition in undergraduate anatomical education. Anatomical Sciences Education, 2015, 8, 404-412.	2.5	48
33	Role of Image and Cognitive Load in Anatomical Multimedia. , 2015, , 237-246.		33
34	Spatial visualization ability and laparoscopic skills in novice learners: Evaluating stereoscopic versus monoscopic visualizations. Anatomical Sciences Education, 2014, 7, 295-301.	2.5	18
35	A threeâ€dimensional measurement approach for the morphology of the femoral head. Journal of Anatomy, 2014, 225, 358-366.	0.9	3
36	In vitro biomechanical evaluation of fibular movement in below knee amputations. Clinical Biomechanics, 2014, 29, 551-555.	0.5	3

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37	Visuospatial anatomy comprehension: The role of spatial visualization ability and problemâ€solving strategies. Anatomical Sciences Education, 2014, 7, 280-288.	2.5	67
38	Comparison of 3D reconstructive technologies used for morphometric research and the translation of knowledge using a decision matrix. Anatomical Sciences Education, 2013, 6, 393-403.	2.5	28
39	Application of Stereoscopic Visualization on Surgical Skill Acquisition in Novices. Journal of Surgical Education, 2013, 70, 563-570.	1.2	49
40	Arrangement of sympathetic fibers within the human common peroneal nerve: implications for microneurography. Journal of Applied Physiology, 2013, 115, 1553-1561.	1.2	21
41	Head to Head: The Role of Competition in Undergraduate Education. FASEB Journal, 2013, 27, 956.1.	0.2	0
42	Application of stereoscopic visualization on surgical skill acquisition in novices. FASEB Journal, 2013, 27, 958.10.	0.2	0
43	Influence of Vestibular Afferent Input on Common Modulation of Human Soleus Motor Units during Standing. Motor Control, 2012, 16, 466-479.	0.3	3
44	Construction of a 3-D anatomical model for teaching temporal lobectomy. Computers in Biology and Medicine, 2012, 42, 692-696.	3.9	22
45	Computer visualizations: Factors that influence spatial anatomy comprehension. Anatomical Sciences Education, 2012, 5, 98-108.	2.5	98
46	Is threeâ€dimensional videography the cutting edge of surgical skill acquisition?. Anatomical Sciences Education, 2012, 5, 138-145.	2.5	29
47	Problem solving strategies and the relationship between visualization ability and spatial anatomy task performance. FASEB Journal, 2012, 26, 12.2.	0.2	0
48	No â€˜Iâ€™ in Anatomy: Group Cadaveric Dissection. FASEB Journal, 2012, 26, 13.4.	0.2	0
49	An interactive 3D model of the cranial nerve and brainstem nuclei for enhanced learning of neuroanatomy. FASEB Journal, 2012, 26, 530.2.	0.2	0
50	More than Meets the Eye: An Interactive 3D Model of the Eye for Enhanced Learning of the Oculomotor System. FASEB Journal, 2012, 26, 530.1.	0.2	0
51	User experience and the influence on the evaluation of information presentation in an online brachial plexus module. FASEB Journal, 2012, 26, 530.4.	0.2	0
52	Validity and Reliability of a Novel 3D Measurement Approach of the Acetabulum. FASEB Journal, 2012, 26, 722.16.	0.2	0
53	Evaluation of neuroanatomical training using a 3D visual reality model. Studies in Health Technology and Informatics, 2012, 173, 85-91.	0.2	38
54	Development of a computerâ€assisted cranial nerve simulation from the visible human dataset. Anatomical Sciences Education, 2011, 4, 92-97.	2.5	38

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55	Virtual cerebral ventricular system: An MRâ€based threeâ€dimensional computer model. Anatomical Sciences Education, 2011, 4, 340-347.	2.5	57
56	Exploring the Changing Learning Environment of the Gross Anatomy Lab. Academic Medicine, 2011, 86, 883-888.	0.8	58
57	An immunohistochemical study on the arrangement of sympathetic fibers within the human common fibular nerve. FASEB Journal, 2011, 25, 872.8.	0.2	0
58	Virtual Reality Imaging with Real-Time Ultrasound Guidance for Facet Joint Injection. Anesthesia and Analgesia, 2010, 110, 1461-1463.	1.1	17
59	Explorable threeâ€dimensional digital model of the female pelvis, pelvic contents, and perineum for anatomical education. Anatomical Sciences Education, 2010, 3, 127-133.	2.5	52
60	A head in virtual reality: Development of a dynamic head and neck model. Anatomical Sciences Education, 2009, 2, 294-301.	2.5	58
61	Advanced multimedia applications for teaching anatomy: a comparison of software used to generate 3D anatomical models. FASEB Journal, 2009, 23, 298.4.	0.2	0
62	Coâ€localization of nodal in hypoxic regions of tumours as seen using confocal microscopy and stereoscopic 3D reconstruction methods. FASEB Journal, 2009, 23, 829.3.	0.2	0
63	Taking a Bite out of the Lab Book: Stereoscopic Laboratory Models in Student's Hands. FASEB Journal, 2009, 23, 298.3.	0.2	0
64	Vestibular effects on relative arterial blood flow to and venous return from the limbs during postural changes of conscious felines. FASEB Journal, 2009, 23, 611.5.	0.2	0
65	Reconstruction of the Cerebral Ventricular System System in Stereoscopy. FASEB Journal, 2009, 23, 298.7.	0.2	0
66	Stereoscopic threeâ€dimensional reconstruction of the female pelvis and pelvic contents for education. FASEB Journal, 2009, 23, 298.6.	0.2	0
67	Effects of postural changes on arterial to venous blood flow in the dependent limbs of conscious cats. FASEB Journal, 2009, 23, 611.6.	0.2	0
68	Anatatorium: a stereoscopic threeâ€dimensional laboratory experience. FASEB Journal, 2007, 21, A86.	0.2	0
69	Effects of postural changes and removal of vestibular inputs on blood flow to the head of conscious felines. Journal of Applied Physiology, 2006, 100, 1475-1482.	1.2	26
70	Vestibular inputs elicit patterned changes in limb blood flow in conscious cats. Journal of Physiology, 2006, 575, 671-684.	1.3	37
71	Reflex-Mediated Reduction in Human Cerebral Blood Volume. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 136-143.	2.4	30
72	Head position modifies cerebrovascular response to orthostatic stress. Brain Research, 2003, 961, 261-268.	1.1	29

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73	Circulating norepinephrine and cerebrovascular control in conscious humans. Clinical Physiology and Functional Imaging, 2003, 23, 314-319.	0.5	36