Jennifer A Kruger

List of Publications by Year
in descending order

35 papers	792 citations	516561 16 h-index	501076 28 g-index
35 all docs	35 docs citations	35 times ranked	658 citing authors

#	Article	IF	Citations
1	Pelvic floor function in elite nulliparous athletes. Ultrasound in Obstetrics and Gynecology, 2007, 30, 81-85.	0.9	115
2	Pelvic Floor Function in Nulliparous Women Using Three-Dimensional Ultrasound and Magnetic Resonance Imaging. Obstetrics and Gynecology, 2008, 111, 631-638.	1.2	104
3	The effect of pregnancy on hiatal dimensions and urethral mobility: an observational study. International Urogynecology Journal, 2012, 23, 1561-1567.	0.7	71
4	Characterizing the ex vivo mechanical properties of synthetic polypropylene surgical mesh. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 37, 48-55.	1.5	50
5	How best to measure the levator hiatus: evidence for the nonâ€Euclidean nature of the â€˜plane of minimal dimensionsâ€™. Ultrasound in Obstetrics and Gynecology, 2010, 36, 755-758.	0.9	40
6	Alterations in levator ani morphology in elite nulliparous athletes: A pilot study. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2005, 45, 42-47.	0.4	39
7	Pelvic floor morphometry and function in women with and without puborectalis avulsion in the early postpartum period. American Journal of Obstetrics and Gynecology, 2017, 216, 274.e1-274.e8.	0.7	32
8	Modeling childbirth: elucidating the mechanisms of labor. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 460-470.	6.6	31
9	Anisotropic effects of the levator ani muscle during childbirth. Biomechanics and Modeling in Mechanobiology, 2011, 10, 485-494.	1.4	29
10	Effects of Nonlinear Muscle Elasticity on Pelvic Floor Mechanics During Vaginal Childbirth. Journal of Biomechanical Engineering, 2010, 132, 111010.	0.6	28
11	An automated hand-held elastometer for quantifying the passive stiffness of the levator ani muscle in women. Neurourology and Urodynamics, 2015, 34, 133-138.	0.8	25
12	Design and development of a novel intra-vaginal pressure sensor. International Urogynecology Journal, 2013, 24, 1715-1721.	0.7	24
13	Reliability and validity of intravaginal pressure measurements with a new intravaginal pressure device: The FemFitÂ®. Neurourology and Urodynamics, 2020, 39, 253-260.	0.8	20
14	Effects of fetal head shape variation on the second stage of labour. Journal of Biomechanics, 2015, 48, 1593-1599.	0.9	19
15	Characterizing levatorâ€ani muscle stiffness preâ€•and postâ€childbirth in European and Polynesian women in New Zealand: a pilot study. Acta Obstetricia Et Gynecologica Scandinavica, 2017, 96, 1234-1242.	1.3	18
16	Is it time to rethink using digital palpation for assessment of muscle stiffness?. Neurourology and Urodynamics, 2020, 39, 279-285.	0.8	18
17	Can you train the pelvic floor muscles by contracting other related muscles?. Neurourology and Urodynamics, 2019, 38, 677-683.	0.8	16
18	Comparison between transperineal ultrasound and digital detection of levator ani trauma. Can we improve the odds?. Neurourology and Urodynamics, 2014, 33, 307-311.	0.8	15

#	Article	IF	Citations
19	Modelling Childbirth: Comparing Athlete and Non-athlete Pelvic Floor Mechanics. Lecture Notes in Computer Science, 2008, 11, 750-757.	1.0	12
20	Modelling the pelvic floor for investigating difficulties during childbirth. Proceedings of SPIE, 2008, , .	0.8	9
21	Effect of Spinal Manipulation on Pelvic Floor Functional Changes in Pregnant and Nonpregnant Women: A Preliminary Study. Journal of Manipulative and Physiological Therapeutics, 2016, 39, 339-347.	0.4	9
22	Assessing exercises recommended for women at risk of pelvic floor disorders using multivariate statistical techniques. International Urogynecology Journal, 2018, 29, 1447-1454.	0.7	9
23	Clinical evaluation of a high-fidelity wireless intravaginal pressure sensor. International Urogynecology Journal, 2015, 26, 243-249.	0.7	7
24	Mathematical modeling of the female reproductive system: from oocyte to delivery. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2017, 9, e1353.	6.6	7
25	Pelvic Floor Morphometric Differences in Elderly Women with or without Urinary Incontinence. Physiotherapy Canada Physiotherapie Canada, 2018, 70, 49-56.	0.3	6
26	Change in levator ani muscle stiffness and active force during pregnancy and post-partum. International Urogynecology Journal, 2020, 31, 2345-2351.	0.7	6
27	A Quantitative Description of Pelvic Floor Muscle Fibre Organisation. , 2011, , 119-130.		6
28	Modeling the second stage of labor. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2016, 8, 506-516.	6.6	5
29	Assessing vaginal pressure profiles before and after prolapse surgery using an intravaginal pressure sensor (femfitÂ®). International Urogynecology Journal, 2021, 32, 3037-3044.	0.7	5
30	Effects of Fetal Head Motion on Pelvic Floor Mechanics. , 2010, , 129-137.		5
31	Data-driven modelling of fatigue in pelvic floor muscles when performing Kegel exercises. , 2019, , .		4
32	The Use of an Intra-Vaginal Pressure Sensor Device To Evaluate Changes in Intra-Vaginal Pressure Profiles Pre and Post Pelvic Organ Prolapse Surgery. , 2019, , .		3
33	Using codesign to develop a mobile application for pelvic floor muscle training with an intravaginal device (femfitÂ®). Neurourology and Urodynamics, 2021, 40, 1900-1907.	0.8	3
34	Effects of Levator Ani Muscle Morphology on the Mechanics of Vaginal Childbirth. , 2012, , 63-75.		2
35	Online, data-driven detection of human position during Kegel exercising. IFAC-PapersOnLine, 2020, 53, 16359-16365.	0.5	0