Tae-keun Yoo

List of Publications by Citations

45 papers	649 citations	16 h-index	24 g-index
46 ext. papers	967 ext. citations	4 avg, IF	4.55 L-index

#	Paper	IF	Citations
45	Multi-categorical deep learning neural network to classify retinal images: A pilot study employing small database. *PLoS ONE*, **2017**, 12, e0187336	3.7	113
44	The possibility of the combination of OCT and fundus images for improving the diagnostic accuracy of deep learning for age-related macular degeneration: a preliminary experiment. *Medical and Biological Engineering and Computing*, **2019**, 57, 677-687	3.1	54
43	Screening for prediabetes using machine learning models. *Computational and Mathematical Methods in Medicine*, **2014**, 2014, 618976	2.8	37
42	Simple Scoring System and Artificial Neural Network for Knee Osteoarthritis Risk Prediction: A Cross-Sectional Study. *PLoS ONE*, **2016**, 11, e0148724	3.7	37
41	Adopting machine learning to automatically identify candidate patients for corneal refractive surgery. *Npj Digital Medicine*, **2019**, 2, 59	15.7	31
40	Diabetic retinopathy risk prediction for fundus examination using sparse learning: a cross-sectional study. *BMC Medical Informatics and Decision Making*, **2013**, 13, 106	3.6	31
39	Is vitamin D status associated with open-angle glaucoma? A cross-sectional study from South Korea. *Public Health Nutrition*, **2014**, 17, 833-43	3.3	30
38	Osteoporosis risk prediction for bone mineral density assessment of postmenopausal women using machine learning. *Yonsei Medical Journal*, **2013**, 54, 1321-30	3	25
37	Artificial Neural Network Approach for Differentiating Open-Angle Glaucoma From Glaucoma Suspect Without a Visual Field Test **2015**, 56, 3957-66		21
36	Feasibility study to improve deep learning in OCT diagnosis of rare retinal diseases with few-shot classification. *Medical and Biological Engineering and Computing*, **2021**, 59, 401-415	3.1	21
35	Deep-learning-based cardiovascular risk stratification using coronary artery calcium scores predicted from retinal photographs. *The Lancet Digital Health*, **2021**, 3, e306-e316	14.4	20
34	Mortality prediction of rats in acute hemorrhagic shock using machine learning techniques. *Medical and Biological Engineering and Computing*, **2013**, 51, 1059-67	3.1	18
33	Explainable Machine Learning Approach as a Tool to Understand Factors Used to Select the Refractive Surgery Technique on the Expert Level. *Translational Vision Science and Technology*, **2020** , 9, 8	3.3	17
32	Effects of radiation emitted by WCDMA mobile phones on electromagnetic hypersensitive subjects. *Environmental Health*, **2012**, 11, 69	6	17
31	A new severity predicting index for hemorrhagic shock using lactate concentration and peripheral perfusion in a rat model. *Shock*, **2012**, 38, 635-41	3.4	17
30	A generative adversarial network approach to predicting postoperative appearance after orbital decompression surgery for thyroid eye disease. *Computers in Biology and Medicine*, **2020**, 118, 103628	7	16
29	Diabetes mellitus is associated with dry eye syndrome: a meta-analysis. *International Ophthalmology*, **2019**, 39, 2611-2620	2.2	14

28	Long-Term Regular Use of Low-Dose Aspirin and Neovascular Age-Related Macular Degeneration: National Sample Cohort 2010-2015. *Ophthalmology*, **2019**, 126, 274-282	7.3	13
27	Osteoporosis risk prediction using machine learning and conventional methods. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 188-91	0.9	10
26	CycleGAN-based deep learning technique for artifact reduction in fundus photography. *Graefes Archive for Clinical and Experimental Ophthalmology*, **2020**, 258, 1631-1637	3.8	9
25	Comparison of Ocular Biometry and Refractive Outcomes Using IOL Master 700, IOL Master 500, and Ultrasound. *Journal of Korean Ophthalmological Society*, **2017**, 58, 523	0.2	7
24	Application of generative adversarial networks (GAN) for ophthalmology image domains: a survey.. *Eye and Vision (London, England)*, **2022**, 9, 6	4.9	7
23	Prediction of Phakic Intraocular Lens Vault Using Machine Learning of Anterior Segment Optical Coherence Tomography Metrics. *American Journal of Ophthalmology*, **2021**, 226, 90-99	4.9	7
22	Age-Related Cataract Is Associated with Elevated Serum Immunoglobulin E Levels in the South Korean Population: A Cross-Sectional Study. *PLoS ONE*, **2016**, 11, e0166331	3.7	7
21	Association Between Osteoporosis and Age-Related Macular Degeneration: The Korea National Health and Nutrition Examination Survey **2018**, 59, AMD132-AMD142		7
20	Protective effects of biodegradable collagen implants on thinned sclera after strabismus surgery: a paired-eye study. *Journal of AAPOS*, **2017**, 21, 467-471.e1	1.3	6
19	Outcomes of Adversarial Attacks on Deep Learning Models for Ophthalmology Imaging Domains. *JAMA Ophthalmology*, **2020**, 138, 1213-1215	3.9	6
18	Deep learning-based smart speaker to confirm surgical sites for cataract surgeries: A pilot study. *PLoS ONE*, **2020**, 15, e0231322	3.7	6
17	Multicategory classification of 11 neuromuscular diseases based on microarray data using support vector machine. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2014**,	0.9	5
16	Interpretation of movement during stair ascent for predicting severity and prognosis of knee osteoarthritis in elderly women using support vector machine. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2013**, 2013, 102-6	0.9	5
15	Comparison of survival predictions for rats with hemorrhagic shocks using an artificial neural network and support vector machine. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2011**, 2011, 91-4	0.9	5
14	Deep learning can generate traditional retinal fundus photographs using ultra-widefield images via generative adversarial networks. *Computer Methods and Programs in Biomedicine*, **2020**, 197, 105761	6.9	5
13	Development of a Web-Based Ensemble Machine Learning Application to Select the Optimal Size of Posterior Chamber Phakic Intraocular Lens. *Translational Vision Science and Technology*, **2021**, 10, 5	3.3	5
12	Incidence of exudative age-related macular degeneration and treatment load under the Korean national health insurance system in 2010-2015. *British Journal of Ophthalmology*, **2019**, 103, 1361-1366	5.5	5
11	Adopting low-shot deep learning for the detection of conjunctival melanoma using ocular surface images. *Computer Methods and Programs in Biomedicine*, **2021**, 205, 106086	6.9	4

10	Toward automated severe pharyngitis detection with smartphone camera using deep learning networks. *Computers in Biology and Medicine*, **2020**, 125, 103980	7	3
9	Association between Serum Immnunoglobulin E and Pterygium: A Population-Based Study from South Korea. *Current Eye Research*, **2018**, 43, 1090-1096	2.9	2
8	A survival prediction model of rats in hemorrhagic shock using the random forest classifier. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2012**, 2012, 5570-3	0.9	2
7	Simple Code Implementation for Deep Learning-Based Segmentation to Evaluate Central Serous Chorioretinopathy in Fundus Photography.. *Translational Vision Science and Technology*, **2022**, 11, 22	3.3	2
6	Deep learning for predicting uncorrected refractive error using posterior segment optical coherence tomography images. *Eye*, **2021**,	4.4	1
5	RP2 Rod-Cone Dystrophy Causes Spasmus Nutans-Like Nystagmus. *Journal of Neuro-Ophthalmology* , **2021**, 41, e91-e93	2.6	1
4	Association Between Dry Eye Syndrome and Osteoarthritis Severity: A Nationwide Cross-Sectional Study (KNHANES V). *Pain Medicine*, **2021**, 22, 2525-2532	2.8	0
3	A deep learning approach for detection of shallow anterior chamber depth based on the hidden features of fundus photographs.. *Computer Methods and Programs in Biomedicine*, **2022**, 219, 106735	6.9	0
2	Risk Prediction of Femoral Neck Osteoporosis Using Machine Learning and Conventional Methods. *Lecture Notes in Computer Science*, **2013**, 181-188	0.9	
1	Retropupillary Iris Fixation of an Artisan Myopia Lens for Intraocular Lens Dislocation and Aphakia in Eyes with Extremely High Myopia: A Case Series and a Literature Review.. *Ophthalmology and Therapy*, **2022**, 1	5	