Hideo Yokota

List of Publications by Year
in descending order

47 papers	632 citations	686830 13 h-index	642321 23 g-index
49 all docs	49 docs citations	49 times ranked	873 citing authors

#	Article	IF	Citations
1	A General Framework for Building Surrogate Models for Uncertainty Quantification in Computational Electromagnetics. IEEE Transactions on Antennas and Propagation, 2022, 70, 1402-1414.	3.1	13
2	Efficient 3D observation of steel microstructure using serial sectioning with precision cutting and on-site etching. Precision Engineering, 2022, 75, 37-45.	1.8	4
3	Contributing role of mitochondrial energy metabolism on platelet adhesion, activation and thrombus formation under blood flow conditions. Platelets, 2022, 33, 1083-1089.	1.1	3
4	Maloney and Smith Method for Modeling Debye-Media Thin Sheets in the FDTD Grid. IEEE Transactions on Antennas and Propagation, 2021, 69, 2209-2217.	3.1	2
5	Analysis of Nano-hardness Distribution Near the Ferrite-martensite Interface in a Dual Phase Steel with Factorization of Its Scattering Behavior. ISIJ International, 2021, 61, 473-480.	0.6	4
6	Resolution Enhancement of UWB Time-Reversal Microwave Imaging in Dispersive Environments. IEEE Transactions on Computational Imaging, 2021, 7, 925-934.	2.6	6
7	Accurate and fast mitotic detection using an anchor-free method based on full-scale connection with recurrent deep layer aggregation in 4D microscopy images. BMC Bioinformatics, 2021, 22, 91.	1.2	1
8	Hierarchical deep learning models using transfer learning for disease detection and classification based on small number of medical images. Scientific Reports, 2021, 11, 4250.	1.6	29
9	Proposal and validation of polyconvex strain-energy function for biological soft tissues. Bio-Medical Materials and Engineering, 2021, 32, 131-144.	0.4	0
10	Multipoint indentation for material identification in three-dimensional observation based on serial sectioning. Precision Engineering, 2021, 69, 62-67.	1.8	2
11	Artificial intelligence for classifying uncertain images by humans in determining choroidal vascular running pattern and comparisons with automated classification between artificial intelligence. PLoS ONE, 2021, 16, e0251553.	1.1	1
12	Compact-sized Cutting System for a Serial-block-face Scanning Electron Microscopy. Microscopy and Microanalysis, 2021, 27, 3176-3177.	0.2	0
13	Morphology and function analyses of cell population using image processing. Drug Delivery System, 2021, 36, 277-285.	0.0	0
14	Wavelength Selection of Near-Infrared Hyperspectral Imaging for Gastric Cancer Detection. , 2021, , .		5
15	An end-to-end CNN and LSTM network with 3D anchors for mitotic cell detection in 4D microscopic images and its parallel implementation on multiple GPUs. Neural Computing and Applications, 2020, 32, 5669-5679.	3.2	2
16	Voxel-based simulation of flow and temperature in the human nasal cavity. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 24, 1-8.	0.9	3
17	Analysis of preliminary local hardening close to the ferriteâ€“martensite interface in dual-phase steel by a combination of finite element simulation and nanoindentation test. International Journal of Mechanical Sciences, 2020, 180, 105663.	3.6	17
18	Multiscale Analysis of MnS Inclusion Distributions in High Strength Steel. ISIJ International, 2020, 60, 1714-1723.	0.6	7

#	Article	IF	Citations
19	Large-Scale Serial-Sectioning Observation of 3D Steel Microstructures Based on Efficient Exploring of Etching Conditions Using 3D Internal Structure Microscope. Mechanisms and Machine Science, 2020, , 841-850.	0.3	2
20	Analysis of Nano-hardness Distribution Near the Ferrite-martensite Interface in a Dual Phase Steel with Factorization of Its Scattering Behavior. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 944-952.	0.1	0
21	A metabolic reactionâ€“diffusion model for PKCÎ± translocation via PIP2 hydrolysis in an endothelial cell. Biochemical Journal, 2020, 477, 4071-4084.	1.7	2
22	A Statistical Parsimony Method for Uncertainty Quantification of FDTD Computation Based on the PCA and Ridge Regression. IEEE Transactions on Antennas and Propagation, 2019, 67, 4726-4737.	3.1	15
23	Potential different impact of inhibition of thrombin function and thrombin generation rate for the growth of thrombi formed at site of endothelial injury under blood flow condition. Thrombosis Research, 2019, 179, 121-127.	0.8	8
24	Glaucoma Diagnosis with Machine Learning Based on Optical Coherence Tomography and Color Fundus Images. Journal of Healthcare Engineering, 2019, 2019, 1-9.	1.1	120
25	HUMAN INDUCED PLURIPOTENT STEM CELL REGION DETECTION IN BRIGHT-FIELD MICROSCOPY IMAGES USING CONVOLUTIONAL NEURAL NETWORKS. Biomedical Engineering - Applications, Basis and Communications, 2019, 31, 1950009.	0.3	7
26	The Effectiveness of An Averaged Airway Model in Predicting the Airflow and Particle Transport Through the Airway. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2019, 32, 278-292.	0.7	3
27	Prediction of binding characteristics between von Willebrand factor and platelet glycoprotein Ibα with various mutations by molecular dynamic simulation. Thrombosis Research, 2019, 184, 129-135.	0.8	9
28	A hepatic pDNA delivery system based on an intracellular environment sensitive vitamin E-scaffold lipid-like material with the aid of an anti-inflammatory drug. Journal of Controlled Release, 2018, 279, 262-270.	4.8	18
29	An Operator Absorbing Boundary Condition for the Absorption of Electromagnetic Waves in Dispersive Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 2147-2150.	3.1	3
30	Novel measuring method of urethane-foam mattress deformation using X-ray CT. Transactions of the JSME (in Japanese), 2018, 84, 17-00443-17-00443.	0.1	0
31	Three-dimensional model of intracellular and intercellular Ca2+ waves propagation in endothelial cells. Biochemical and Biophysical Research Communications, 2018, 505, 781-786.	1.0	4
32	Continuous Wavelet Transform-Based Frequency Dispersion Compensation Method for Electromagnetic Time-Reversal Imaging. IEEE Transactions on Antennas and Propagation, 2017, 65, 1321-1329.	3.1	17
33	Time Reversal Technique Based on Spatiotemporal Windows for Through the Wall Imaging. IEEE Transactions on Antennas and Propagation, 2017, 65, 3065-3072.	3.1	16
34	Subcell Modeling of Frequency-Dependent Thin Layers in the FDTD Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 278-286.	3.1	15
35	A statistical image analysis framework for pore-free islands derived from heterogeneity distribution of nuclear pore complexes. Scientific Reports, 2017, 7, 16315.	1.6	6
36	Classification of optic disc shape in glaucoma using machine learning based on quantified ocular parameters. PLoS ONE, 2017, 12, e0190012.	1.1	34

#	Article	IF	Citations
37	Conformational plasticity of JRAB/MICAL-L2 provides â€œlaw and orderâ€•in collective cell migration. Molecular Biology of the Cell, 2016, 27, 3095-3108.	0.9	22
38	Huygens Excitation in Debye Media in the FDTD Method. IEEE Transactions on Antennas and Propagation, 2016, 64, 3632-3635.	3.1	3
39	Frequency Dispersion Compensation Through Variable Window Utilization in Time-Reversal Techniques for Electromagnetic Waves. IEEE Transactions on Antennas and Propagation, 2016, 64, 3636-3639.	3.1	12
40	Artificial oxygen carriers rescue placental hypoxia and improve fetal development in the rat pre-eclampsia model. Scientific Reports, 2015, 5, 15271.	1.6	43
41	Three-Dimensional Image of Cleavage Bodies in Nuclei Is Configured Using Gas Cluster Ion Beam with Time-of-Flight Secondary Ion Mass Spectrometry. Scientific Reports, 2015, 5, 10000.	1.6	6
42	Three-dimensional tracking of plus-tips by lattice light-sheet microscopy permits the quantification of microtubule growth trajectories within the mitotic apparatus. Journal of Biomedical Optics, 2015, 20, 1.	1.4	49
43	PS3-3 Estimating mattress deformation with a person in the supine position using biomechanical simulation(PS3: Poster Short Presentation III,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 264.	0.0	0
44	Volume-based shape analysis for internal microstructure of steels. , 2014, , .		2
45	An automated three-dimensional internal structure observation system based on high-speed serial sectioning of steel materials. Precision Engineering, 2012, 36, 315-321.	1.8	9
46	Three-Dimensional Microscopic Elemental Analysis Using an Automated High-Precision Serial Sectioning System. Microscopy and Microanalysis, 2011, 17, 246-251.	0.2	7
47	Nuclear pore formation but not nuclear growth is governed by cyclin-dependent kinases (Cdks) during interphase. Nature Structural and Molecular Biology, 2010, 17, 1065-1071.	3.6	94