

# Jan Sijbers

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

327  
papers

11,077  
citations

53  
h-index

99  
g-index

369  
ext. papers

13,807  
ext. citations

4.7  
avg. IF

6.4  
L-index

#	Paper	IF	Citations
327	A Bottom-Up Volume Reconstruction Method for Atom Probe Tomography.. <i>Microscopy and Microanalysis</i> , <b>2022</b> , 1-14	0.5	0
326	CNN-Based Deblurring of THz Time-Domain Images. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 477-494	0.3	0
325	3D total variation denoising in X-CT imaging applied to pore extraction in additively manufactured parts. <i>Measurement Science and Technology</i> , <b>2022</b> , 33, 045602	2	1
324	Brain Connectometry Changes in Space Travelers After Long-Duration Spaceflight.. <i>Frontiers in Neural Circuits</i> , <b>2022</b> , 16, 815838	3.5	2
323	Deep learning-based 2D/3D registration of an atlas to biplanar X-ray images.. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2022</b> , 1	3.9	1
322	The effect of prolonged spaceflight on cerebrospinal fluid and perivascular spaces of astronauts and cosmonauts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2120439119	11.5	2
321	Improved diffusion parameter estimation by incorporating T relaxation properties into the DKI-FWE model.. <i>NeuroImage</i> , <b>2022</b> , 119219	7.9	0
320	Inline nondestructive internal disorder detection in pear fruit using explainable deep anomaly detection on X-ray images. <i>Computers and Electronics in Agriculture</i> , <b>2022</b> , 197, 106962	6.5	1
319	Model-based super-resolution reconstruction with joint motion estimation for improved quantitative MRI parameter mapping. <i>Computerized Medical Imaging and Graphics</i> , <b>2022</b> , 102071	7.6	0
318	Fracture patterns in midshaft clavicle fractures. <i>Acta Orthopaedica Belgica</i> , <b>2021</b> , 87, 501-507	1.3	0
317	Gauss-Newton-Krylov for Reconstruction of Polychromatic X-Ray CT Images. <i>IEEE Transactions on Computational Imaging</i> , <b>2021</b> , 7, 1304-1313	4.5	0
316	Projection-angle-dependent distortion correction in high-speed image-intensifier-based x-ray computed tomography. <i>Measurement Science and Technology</i> , <b>2021</b> , 32, 035404	2	0
315	Monte-Carlo-Based Estimation of the X-ray Energy Spectrum for CT Artifact Reduction. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3145	2.6	1
314	Outlier Detection for Foot Complaint Diagnosis: Modeling Confounding Factors Using Metric Learning. <i>IEEE Intelligent Systems</i> , <b>2021</b> , 36, 41-49	4.2	1
313	Diffusion tensor imaging of the anterior cruciate ligament following primary repair with internal bracing: A longitudinal study. <i>Journal of Orthopaedic Research</i> , <b>2021</b> , 39, 1318-1330	3.8	3
312	Small medial femoral condyle morphotype is associated with medial compartment degeneration and distinct morphological characteristics: a comparative pilot study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2021</b> , 29, 1777-1789	5.5	3
311	Accelerating in vivo fast spin echo high angular resolution diffusion imaging with an isotropic resolution in mice through compressed sensing. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 1397-1413	4.4	1

310	Constrained spherical deconvolution of nonspherically sampled diffusion MRI data. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 521-538	5.9	6
309	FleXCT: a flexible X-ray CT scanner with 10 degrees of freedom. <i>Optics Express</i> , <b>2021</b> , 29, 3438-3457	3.3	6
308	To recurse or not to recurse: a low-dose CT study. <i>Progress in Artificial Intelligence</i> , <b>2021</b> , 10, 65-81	4	1
307	Quantification of cognitive impairment to characterize heterogeneity of patients at risk of developing Alzheimer's disease dementia. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , <b>2021</b> , 13, e12237	5.2	
306	EquiSim: An Open-Source Articulatable Statistical Model of the Equine Distal Limb. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 623318	3.1	
305	Non-destructive internal disorder detection of Conference pears by semantic segmentation of X-ray CT scans using deep learning. <i>Expert Systems With Applications</i> , <b>2021</b> , 176, 114925	7.8	5
304	Adjoint image warping using multivariate splines with application to four-dimensional computed tomography. <i>Medical Physics</i> , <b>2021</b> , 48, 6362-6374	4.4	
303	Dynamic few-view X-ray imaging for inspection of CAD-based objects. <i>Expert Systems With Applications</i> , <b>2021</b> , 180, 115012	7.8	0
302	On the generalizability of diffusion MRI signal representations across acquisition parameters, sequences and tissue types: Chronicles of the MEMENTO challenge. <i>NeuroImage</i> , <b>2021</b> , 240, 118367	7.9	3
301	Recurrent inference machines as inverse problem solvers for MR relaxometry. <i>Medical Image Analysis</i> , <b>2021</b> , 74, 102220	15.4	0
300	. <i>IEEE Access</i> , <b>2021</b> , 9, 162-176	3.5	1
299	Multi-contrast multi-shot EPI for accelerated diffusion MRI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 3869-3872	0.9	0
298	Supporting measurements or more averages? How to quantify cerebral blood flow most reliably in 5 minutes by arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 2523-2536	4.4	6
297	Joint Maximum Likelihood Estimation of Motion and T1 Parameters from Magnetic Resonance Images in a Super-resolution Framework: a Simulation Study. <i>Fundamenta Informaticae</i> , <b>2020</b> , 172, 105-128	1.2	2
296	Analysis and comparison of algorithms for the tomographic reconstruction of curved fibres. <i>Nondestructive Testing and Evaluation</i> , <b>2020</b> , 35, 328-341	2	2
295	A low-cost geometry calibration procedure for a modular cone-beam X-ray CT system. <i>Nondestructive Testing and Evaluation</i> , <b>2020</b> , 35, 252-265	2	2
294	Nondestructive internal quality inspection of pear fruit by X-ray CT using machine learning. <i>Food Control</i> , <b>2020</b> , 113, 107170	6.2	10
293	The effect of nasal shape on the thermal conditioning of inhaled air: Using clinical tomographic data to build a large-scale statistical shape model. <i>Computers in Biology and Medicine</i> , <b>2020</b> , 117, 103600	7	4

292	A Machine Learning Approach to Growth Direction Finding for Automated Planting of Bulbous Plants. <i>Scientific Reports</i> , <b>2020</b> , 10, 661	4.9	1
291	PAPPI: Personalized analysis of plantar pressure images using statistical modelling and parametric mapping. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229685	3.7	2
290	Subject-specific identification of three dimensional foot shape deviations using statistical shape analysis. <i>Expert Systems With Applications</i> , <b>2020</b> , 151, 113372	7.8	3
289	X-ray phase contrast simulation for grating-based interferometry using GATE. <i>Optics Express</i> , <b>2020</b> , 28, 33390-33412	3.3	7
288	Harmonization of Brain Diffusion MRI: Concepts and Methods. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 396	5.1	20
287	CNN-based Deblurring of Terahertz Images <b>2020</b> ,		3
286	The costs and benefits of estimating T of tissue alongside cerebral blood flow and arterial transit time in pseudo-continuous arterial spin labeling. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4182	4.4	5
285	Diffusion tensor imaging of the anterior cruciate ligament graft following reconstruction: a longitudinal study. <i>European Radiology</i> , <b>2020</b> , 30, 6673-6684	8	1
284	Unveiling water dynamics in fuel cells from time-resolved tomographic microscopy data. <i>Scientific Reports</i> , <b>2020</b> , 10, 16388	4.9	4
283	Super-Resolution Magnetic Resonance Imaging of the Knee Using 2-Dimensional Turbo Spin Echo Imaging. <i>Investigative Radiology</i> , <b>2020</b> , 55, 481-493	10.1	1
282	Macro- and microstructural changes in cosmonauts' brains after long-duration spaceflight. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	24
281	A Comparative Study Between Three Measurement Methods to Predict 3D Body Dimensions Using Shape Modelling. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 464-470	0.4	0
280	PAPPI: Personalized analysis of plantar pressure images using statistical modelling and parametric mapping <b>2020</b> , 15, e0229685		
279	PAPPI: Personalized analysis of plantar pressure images using statistical modelling and parametric mapping <b>2020</b> , 15, e0229685		
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277	PAPPI: Personalized analysis of plantar pressure images using statistical modelling and parametric mapping <b>2020</b> , 15, e0229685		
276	Assessment of Anterior Cruciate Ligament Graft Maturity With Conventional Magnetic Resonance Imaging: A Systematic Literature Review. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2019</b> , 7, 2325967119849012	2.5	21
275	Brain ventricular volume changes induced by long-duration spaceflight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 10531-10536	11.5	58

274	An assessment of the information lost when applying data reduction techniques to dynamic plantar pressure measurements. <i>Journal of Biomechanics</i> , <b>2019</b> , 87, 161-166	2.9	4
273	Posture normalisation of 3D body scans. <i>Ergonomics</i> , <b>2019</b> , 62, 834-848	2.9	9
272	Combination of shape and X-ray inspection for apple internal quality control: in silico analysis of the methodology based on X-ray computed tomography. <i>Postharvest Biology and Technology</i> , <b>2019</b> , 148, 218-227	6.2	16
271	Multi-patch B-Spline Statistical Shape Models for CAD-Compatible Digital Human Modeling. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 179-189	0.4	0
270	A Visual Tool for the Analysis of Algorithms for Tomographic Fiber Reconstruction in Materials Science. <i>Computer Graphics Forum</i> , <b>2019</b> , 38, 273-283	2.4	2
269	Alterations of Functional Brain Connectivity After Long-Duration Spaceflight as Revealed by fMRI. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 761	4.6	33
268	Aortic root sizing for transcatheter aortic valve implantation using a shape model parameterisation. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 2081-2092	3.1	1
267	Methods for characterization and optimisation of measuring performance of stereoscopic x-ray systems with image intensifiers. <i>Measurement Science and Technology</i> , <b>2019</b> , 30, 105701	2	5
266	Adaptable digital human models from 3D body scans <b>2019</b> , 459-470		1
265	Design smart clothing using digital human models <b>2019</b> , 683-698		7
264	Fiber assignment by continuous tracking for parametric fiber reinforced polymer reconstruction <b>2019</b> ,		2
263	poly-DART: A discrete algebraic reconstruction technique for polychromatic X-ray CT. <i>Optics Express</i> , <b>2019</b> , 27, 33670-33682	3.3	3
262	An Articulating Statistical Shape Model of the Human Hand. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 433-445	0.4	0
261	Automatic Generation of Statistical Shape Models in Motion. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 170-178	0.4	1
260	Using 3D Statistical Shape Models for Designing Smart Clothing. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 18-27	0.4	1
259	Moving Statistical Body Shape Models Using Blender. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 28-38	0.4	3
258	A Deep Learning Approach to Horse Bone Segmentation from Digitally Reconstructed Radiographs <b>2019</b> ,		2
257	Normalized averaged range (nAR), a robust quantification method for MPIO-content. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 300, 18-27	3	

256	Matlab toolbox for semi-automatic segmentation of the human nasal cavity based on active shape modeling. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 105, 27-38	7	6
255	Reproducibility and intercorrelation of graph theoretical measures in structural brain connectivity networks. <i>Medical Image Analysis</i> , <b>2019</b> , 52, 56-67	15.4	30
254	Understanding microstructural deformation of apple tissue from 4D micro-CT imaging. <i>Acta Horticulturae</i> , <b>2018</b> , 7-14	0.3	0
253	White matter microstructural organisation of interhemispheric pathways predicts different stages of bimanual coordination learning in young and older adults. <i>European Journal of Neuroscience</i> , <b>2018</b> , 47, 446-459	3.5	5
252	Diffusion kurtosis imaging with free water elimination: A bayesian estimation approach. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 802-813	4.4	13
251	TomoBank: a tomographic data repository for computational x-ray science. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 034004	2	41
250	Three-dimensional quantitative analysis of healthy foot shape: a proof of concept study. <i>Journal of Foot and Ankle Research</i> , <b>2018</b> , 11, 8	3.2	20
249	Diffusion kurtosis imaging allows the early detection and longitudinal follow-up of amyloid- $\beta$ induced pathology. <i>Alzheimer's Research and Therapy</i> , <b>2018</b> , 10, 1	9	57
248	Discrete tomography in an in vivo small animal bone study. <i>Journal of Bone and Mineral Metabolism</i> , <b>2018</b> , 36, 40-53	2.9	3
247	IntensityPatches and RegionPatches for image recognition. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 62, 176-186	7.5	0
246	Advanced x-ray tomography: experiment, modeling, and algorithms. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 080101	2	1
245	STAPP: Spatiotemporal analysis of plantar pressure measurements using statistical parametric mapping. <i>Gait and Posture</i> , <b>2018</b> , 63, 268-275	2.6	12
244	A three-dimensional digital neurological atlas of the mustached bat ( <i>Pteronotus parnellii</i> ). <i>NeuroImage</i> , <b>2018</b> , 183, 300-313	7.9	3
243	Parametric Reconstruction of Glass Fiber-reinforced Polymer Composites from X-ray Projection Data-A Simulation Study. <i>Journal of Nondestructive Evaluation</i> , <b>2018</b> , 37, 62	2.1	6
242	NOVIFAST: A Fast Algorithm for Accurate and Precise VFA MRI Mapping. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2414-2427	11.7	7
241	Full Body Statistical Shape Modeling with Posture Normalization. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 437-448	0.4	5
240	A Combined Statistical Shape Model of the Scalp and Skull of the Human Head. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 538-548	0.4	1
239	High quality statistical shape modelling of the human nasal cavity and applications. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 181558	3.3	12

238	Joint Reconstruction and Flat-Field Estimation using Support Estimation <b>2018</b> ,		1
237	Enhanced contrast in X-ray microtomographic images of the membranous labyrinth using different X-ray sources and scanning modes. <i>Journal of Anatomy</i> , <b>2018</b> , 233, 770-782	2.9	3
236	Brain Tissue-Volume Changes in Cosmonauts. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 1678-1680	59.2	62
235	Neural network Hilbert transform based filtered backprojection for fast inline x-ray inspection. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 034012	2	8
234	Ergonomic design of an EEG headset using 3D anthropometry. <i>Applied Ergonomics</i> , <b>2017</b> , 58, 128-136	4.2	27
233	Data-Driven Affine Deformation Estimation and Correction in Cone Beam Computed Tomography. <i>IEEE Transactions on Image Processing</i> , <b>2017</b> , 26, 1441-1451	8.7	8
232	Technical Note: A safe, cheap, and easy-to-use isotropic diffusion MRI phantom for clinical and multicenter studies. <i>Medical Physics</i> , <b>2017</b> , 44, 1063-1070	4.4	9
231	Diffusion tensor imaging of the anterior cruciate ligament graft. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 1423-1432	5.6	14
230	Inline discrete tomography system: Application to agricultural product inspection. <i>Computers and Electronics in Agriculture</i> , <b>2017</b> , 138, 117-126	6.5	14
229	The effect of spaceflight and microgravity on the human brain. <i>Journal of Neurology</i> , <b>2017</b> , 264, 18-22	5.5	66
228	Altered functional brain connectivity in patients with visually induced dizziness. <i>NeuroImage: Clinical</i> , <b>2017</b> , 14, 538-545	5.3	34
227	Multisensor X-ray inspection of internal defects in horticultural products. <i>Postharvest Biology and Technology</i> , <b>2017</b> , 128, 33-43	6.2	16
226	Partial Discreteness: A Novel Prior for Magnetic Resonance Image Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 1041-1053	11.7	5
225	A nonlocal maximum likelihood estimation method for enhancing magnetic resonance phase maps. <i>Signal, Image and Video Processing</i> , <b>2017</b> , 11, 913-920	1.6	3
224	Building 3D Statistical Shape Models of Horticultural Products. <i>Food and Bioprocess Technology</i> , <b>2017</b> , 10, 2100-2112	5.1	5
223	StatSTEM: An efficient program for accurate and precise model-based quantification of atomic resolution electron microscopy images. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 902, 012013	0.3	2
222	A distributed ASTRA toolbox. <i>Advanced Structural and Chemical Imaging</i> , <b>2017</b> , 2, 19	3.9	14
221	Intrinsic functional connectivity reduces after first-time exposure to short-term gravitational alterations induced by parabolic flight. <i>Scientific Reports</i> , <b>2017</b> , 7, 3061	4.9	10

220	Can portable tomosynthesis improve the diagnostic value of bedside chest X-ray in the intensive care unit? A proof of concept study. <i>European Radiology Experimental</i> , <b>2017</b> , 1, 20	4.5	0
219	Product sizing with 3D anthropometry and k-medoids clustering. <i>CAD Computer Aided Design</i> , <b>2017</b> , 91, 60-74	2.9	23
218	Atom-counting in High Resolution Electron Microscopy: TEM or STEM - That's the question. <i>Ultramicroscopy</i> , <b>2017</b> , 174, 112-120	3.1	5
217	A Unified Maximum Likelihood Framework for Simultaneous Motion and $T_1$ Estimation in Quantitative MR $T_1$ Mapping. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 433-446	11.7	11
216	Exploring sex differences in the adult zebra finch brain: In vivo diffusion tensor imaging and ex vivo super-resolution track density imaging. <i>NeuroImage</i> , <b>2017</b> , 146, 789-803	7.9	14
215	Super-resolution T estimation: Quantitative high resolution T mapping from a set of low resolution T-weighted images with different slice orientations. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1818-1830	4.4	9
214	MoVIT: a tomographic reconstruction framework for 4D-CT. <i>Optics Express</i> , <b>2017</b> , 25, 19236-19250	3.3	10
213	Easy implementation of advanced tomography algorithms using the ASTRA toolbox with Spot operators. <i>Numerical Algorithms</i> , <b>2016</b> , 71, 673-697	2.1	17
212	Cortical reorganization in an astronaut's brain after long-duration spaceflight. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 2873-6	4	66
211	Atomic resolution HAADF STEM tomography using prior physical knowledge and simulated annealing <b>2016</b> , 83-84		0
210	Denosing of diffusion MRI using random matrix theory. <i>NeuroImage</i> , <b>2016</b> , 142, 394-406	7.9	590
209	Optimal detectability combined with picometre range precision to position light atoms from HR STEM images <b>2016</b> , 549-550		
208	Direct estimation of 3D atom positions of simulated Au nanoparticles in HAADF STEM <b>2016</b> , 61-62		0
207	Local attenuation curve optimization framework for high quality perfusion maps in low-dose cerebral perfusion CT. <i>Medical Physics</i> , <b>2016</b> , 43, 6429	4.4	3
206	Super-resolution reconstruction of diffusion parameters from diffusion-weighted images with different slice orientations. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 181-95	4.4	29
205	Diffusion kurtosis imaging probes cortical alterations and white matter pathology following cuprizone induced demyelination and spontaneous remyelination. <i>NeuroImage</i> , <b>2016</b> , 125, 363-377	7.9	96
204	3D morphometric analysis of the human incudomalleal complex using clinical cone-beam CT. <i>Hearing Research</i> , <b>2016</b> , 340, 79-88	3.9	7
203	Diffusion Kurtosis Imaging <b>2016</b> , 407-418		2



202	Quantitative 3D analysis of huge nanoparticle assemblies. <i>Nanoscale</i> , <b>2016</b> , 8, 292-9	7.7	31
201	A segmentation and classification algorithm for online detection of internal disorders in citrus using X-ray radiographs. <i>Postharvest Biology and Technology</i> , <b>2016</b> , 112, 205-214	6.2	25
200	D-BRAIN: Anatomically Accurate Simulated Diffusion MRI Brain Data. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149778	3.7	10
199	Unsupervised Retinal Vessel Segmentation Using Combined Filters. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149943	3.7	45
198	Investigating lattice strain in Au nanodecahedrons <b>2016</b> , 11-12		
197	Fast and flexible X-ray tomography using the ASTRA toolbox. <i>Optics Express</i> , <b>2016</b> , 24, 25129-25147	3.3	361
196	Integration of TomoPy and the ASTRA toolbox for advanced processing and reconstruction of tomographic synchrotron data. <i>Journal of Synchrotron Radiation</i> , <b>2016</b> , 23, 842-9	2.4	68
195	Investigation on the effect of exposure time on scintillator afterglow for ultra-fast tomography acquisition. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, C12014-C12014	1	2
194	Chronic exposure to haloperidol and olanzapine leads to common and divergent shape changes in the rat hippocampus in the absence of grey-matter volume loss. <i>Psychological Medicine</i> , <b>2016</b> , 46, 3081-3093	6.9	14
193	Pixel Clustering for Face Recognition <b>2016</b> ,		3
192	Fast inline inspection by Neural Network Based Filtered Backprojection: Application to apple inspection. <i>Case Studies in Nondestructive Testing and Evaluation</i> , <b>2016</b> , 6, 14-20		10
191	Detecting and locating light atoms from high-resolution STEM images: The quest for a single optimal design. <i>Ultramicroscopy</i> , <b>2016</b> , 170, 128-138	3.1	8
190	StatSTEM: An efficient approach for accurate and precise model-based quantification of atomic resolution electron microscopy images. <i>Ultramicroscopy</i> , <b>2016</b> , 171, 104-116	3.1	112
189	In-line NDT with X-Ray CT combining sample rotation and translation. <i>NDT and E International</i> , <b>2016</b> , 84, 89-98	4.1	18
188	The ASTRA Toolbox: A platform for advanced algorithm development in electron tomography. <i>Ultramicroscopy</i> , <b>2015</b> , 157, 35-47	3.1	409
187	An Iterative CT Reconstruction Algorithm for Fast Fluid Flow Imaging. <i>IEEE Transactions on Image Processing</i> , <b>2015</b> , 24, 4446-58	8.7	32
186	Measuring Lattice Strain in Three Dimensions through Electron Microscopy. <i>Nano Letters</i> , <b>2015</b> , 15, 6996-7001	10.1	84
185	Evaluation of an anthropometric shape model of the human scalp. <i>Applied Ergonomics</i> , <b>2015</b> , 48, 70-85	4.2	32

184	Iterative bilateral filter for Rician noise reduction in MR images. <i>Signal, Image and Video Processing</i> , <b>2015</b> , 9, 1543-1548	1.6	25
183	Pore REconstruction and Segmentation (PORES) method for improved porosity quantification of nanoporous materials. <i>Ultramicroscopy</i> , <b>2015</b> , 148, 10-19	3.1	4
182	Dynamic intensity normalization using eigen flat fields in X-ray imaging. <i>Optics Express</i> , <b>2015</b> , 23, 27975-89	3.9	44
181	Modeling blurring effects due to continuous gantry rotation: Application to region of interest tomography. <i>Medical Physics</i> , <b>2015</b> , 42, 2709-17	4.4	6
180	Diffusion Kurtosis Imaging: A Possible MRI Biomarker for AD Diagnosis?. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 48, 937-48	4.3	35
179	Iterative reweighted linear least squares for accurate, fast, and robust estimation of diffusion magnetic resonance parameters. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 2174-84	4.4	39
178	Fast Fourier-Based Phase Unwrapping on the Graphics Processing Unit in Real-Time Imaging Applications. <i>Journal of Imaging</i> , <b>2015</b> , 1, 31-44	3.1	15
177	<b>2015</b> ,		2
176	Simultaneous motion correction and T1 estimation in quantitative T1 mapping: An ML restoration approach <b>2015</b> ,		1
175	Neural network based X-ray tomography for fast inspection of apples on a conveyor belt system <b>2015</b> ,		2
174	Region based 4D tomographic image reconstruction: Application to cardiac x-ray CT <b>2015</b> ,		1
173	Subcortical volumetric changes across the adult lifespan: subregional thalamic atrophy accounts for age-related sensorimotor performance declines. <i>Cortex</i> , <b>2015</b> , 65, 128-38	3.8	28
172	Informed constrained spherical deconvolution (iCSD). <i>Medical Image Analysis</i> , <b>2015</b> , 24, 269-281	15.4	27
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4 Signal and Noise Maximum Likelihood Estimation in MRI 833-853

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