

# Franz Pfeiffer

## List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/797037/publications.pdf](https://exaly.com/author-pdf/797037/publications.pdf)

Version: 2024-02-01

294  
papers

14,391  
citations

46636

47  
h-index

25609

109  
g-index

326  
all docs

326  
docs citations

326  
times ranked

9722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase retrieval and differential phase-contrast imaging with low-brilliance X-ray sources. <i>Nature Physics</i> , 2006, 2, 258-261.	11.8	1,690
2	X-ray phase imaging with a grating interferometer. <i>Optics Express</i> , 2005, 13, 6296.	3.4	1,157
3	Ptychographic X-ray computed tomography at the nanoscale. <i>Nature</i> , 2010, 467, 436-439.	36.2	802
4	Probe retrieval in ptychographic coherent diffractive imaging. <i>Ultramicroscopy</i> , 2009, 109, 338-343.	1.9	580
5	X-ray ptychography. <i>Nature Photonics</i> , 2018, 12, 9-17.	23.1	468
6	Influence of the overlap parameter on the convergence of the ptychographical iterative engine. <i>Ultramicroscopy</i> , 2008, 108, 481-487.	1.9	248
7	Quantitative biological imaging by ptychographic x-ray diffraction microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 529-534.	7.6	245
8	Emphysema diagnosis using X-ray dark-field imaging at a laser-driven compact synchrotron light source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17880-17885.	7.6	173
9	Six-dimensional real and reciprocal space small-angle X-ray scattering tomography. <i>Nature</i> , 2015, 527, 353-356.	36.2	163
10	Toward Clinical X-ray Phase-Contrast CT. <i>Investigative Radiology</i> , 2010, 45, 445-452.	6.3	155
11	High-resolution tomographic imaging of a human cerebellum: comparison of absorption and grating-based phase contrast. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1665-1676.	3.4	151
12	Experimental results from a preclinical X-ray phase-contrast CT scanner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15691-15696.	7.6	140
13	The Munich Compact Light Source: initial performance measures. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 1137-1142.	2.4	140
14	Hard X-ray phase-contrast imaging with the Compact Light Source based on inverse Compton X-rays. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 43-47.	2.4	130
15	Dual-energy CT: a phantom comparison of different platforms for abdominal imaging. <i>European Radiology</i> , 2018, 28, 2745-2755.	4.6	119
16	High-resolution differential phase contrast imaging using a magnifying projection geometry with a microfocus x-ray source. <i>Applied Physics Letters</i> , 2007, 90, 224101.	3.2	118
17	Ptychographic characterization of the wavefield in the focus of reflective hard X-ray optics. <i>Ultramicroscopy</i> , 2010, 110, 325-329.	1.9	118
18	Spectral Photon-counting CT: Initial Experience with Dual-Contrast Agent K-Edge Colonography. <i>Radiology</i> , 2017, 283, 723-728.	8.8	118

#	ARTICLE	IF	CITATIONS
19	Pulmonary Emphysema Diagnosis with a Preclinical Small-Animal X-ray Dark-Field Scatter-Contrast Scanner. <i>Radiology</i> , 2013, 269, 427-433.	8.8	110
20	X-ray phase-contrast tomography with a compact laser-driven synchrotron source. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5567-5572.	7.6	104
21	Coherent x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 5003-5030.	1.9	102
22	Advanced phase-contrast imaging using a grating interferometer. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 562-572.	2.4	102
23	Quantitative phase-contrast tomography of a liquid phantom using a conventional x-ray tube source. <i>Optics Express</i> , 2009, 17, 10010.	3.4	95
24	Three-dimensional virtual histology enabled through cytoplasm-specific X-ray stain for microscopic and nanoscopic computed tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2293-2298.	7.6	94
25	X-ray dark-field chest imaging for detection and quantification of emphysema in patients with chronic obstructive pulmonary disease: a diagnostic accuracy study. <i>The Lancet Digital Health</i> , 2021, 3, e733-e744.	11.3	89
26	Dual-layer spectral computed tomography: Virtual non-contrast in comparison to true non-contrast images. <i>European Journal of Radiology</i> , 2018, 104, 108-114.	2.7	88
27	Directional x-ray dark-field imaging of strongly ordered systems. <i>Physical Review B</i> , 2010, 82, .	3.3	85
28	In-vivo X-ray Dark-Field Chest Radiography of a Pig. <i>Scientific Reports</i> , 2017, 7, 4807.	3.4	85
29	Grating-based X-ray phase contrast for biomedical imaging applications. <i>Zeitschrift Fur Medizinische Physik</i> , 2013, 23, 176-185.	1.6	84
30	In Vivo Dark-Field Radiography for Early Diagnosis and Staging of Pulmonary Emphysema. <i>Investigative Radiology</i> , 2015, 50, 430-435.	6.3	83
31	Experimental feasibility of spectral photon-counting computed tomography with two contrast agents for the detection of endoleaks following endovascular aortic repair. <i>European Radiology</i> , 2018, 28, 3318-3325.	4.6	81
32	X-ray dark-field imaging of the human lung – A feasibility study on a deceased body. <i>PLoS ONE</i> , 2018, 13, e0204565.	2.5	78
33	Improved In vivo Assessment of Pulmonary Fibrosis in Mice using X-Ray Dark-Field Radiography. <i>Scientific Reports</i> , 2015, 5, 17492.	3.4	77
34	X-ray phase radiography and tomography of soft tissue using grating interferometry. <i>European Journal of Radiology</i> , 2008, 68, S13-S17.	2.7	71
35	Aptamer-Based Logic Computing Reaction on Living Cells to Enable Non-Antibody Immune Checkpoint Blockade Therapy. <i>Journal of the American Chemical Society</i> , 2021, 143, 8391-8401.	14.6	71
36	Phase-Contrast CT: Qualitative and Quantitative Evaluation of Atherosclerotic Carotid Artery Plaque. <i>Radiology</i> , 2014, 271, 870-878.	8.8	67

#	ARTICLE	IF	CITATIONS
37	X-ray Dark-field Radiography - In-Vivo Diagnosis of Lung Cancer in Mice. Scientific Reports, 2017, 7, 402.	3.4	66
38	Assessment of quantification accuracy and image quality of a full-body dual-layer spectral CT system. Journal of Applied Clinical Medical Physics, 2018, 19, 204-217.	1.8	66
39	Simultaneous dual-contrast multi-phase liver imaging using spectral photon-counting computed tomography: a proof-of-concept study. European Radiology Experimental, 2017, 1, 25.	3.6	63
40	Advanced contrast modalities for X-ray radiology: Phase-contrast and dark-field imaging using a grating interferometer. Zeitschrift Fur Medizinische Physik, 2010, 20, 7-16.	1.6	60
41	Quantitative X-ray phase-contrast computed tomography at 82 keV. Optics Express, 2013, 21, 4155.	3.4	59
42	Novelty detection of foreign objects in food using multi-modal X-ray imaging. Food Control, 2016, 67, 39-47.	5.6	59
43	Improved Diagnosis of Pulmonary Emphysema Using In Vivo Dark-Field Radiography. Investigative Radiology, 2014, 49, 653-658.	6.3	58
44	Evaluation of a preclinical photon-counting CT prototype for pulmonary imaging. Scientific Reports, 2018, 8, 17386.	3.4	57
45	Dark-field computed tomography reaches the human scale. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.6	57
46	Beam hardening effects in grating-based X-ray phase-contrast imaging. Medical Physics, 2011, 38, 1189-1195.	2.9	53
47	Myoanatomy of the velvet worm leg revealed by laboratory-based nanofocus X-ray source tomography. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12378-12383.	7.6	53
48	X-ray Dark-Field Chest Imaging: Qualitative and Quantitative Results in Healthy Humans. Radiology, 2021, 301, 389-395.	8.8	52
49	Insights into the Skeletonization, Lifestyle, and Affinity of the Unusual Ediacaran Fossil Corumbella. PLoS ONE, 2015, 10, e0114219.	2.5	49
50	Bone mineral density measurements derived from dual-layer spectral CT enable opportunistic screening for osteoporosis. European Radiology, 2019, 29, 6355-6363.	4.6	49
51	Is multidetector CT-based bone mineral density and quantitative bone microstructure assessment at the spine still feasible using ultra-low tube current and sparse sampling?. European Radiology, 2017, 27, 5261-5271.	4.6	47
52	Diagnosing and Mapping Pulmonary Emphysema on X-Ray Projection Images: Incremental Value of Grating-Based X-Ray Dark-Field Imaging. PLoS ONE, 2013, 8, e59526.	2.5	47
53	Aligned hemozoin crystals in curved clusters in malarial red blood cells revealed by nanoprobe X-ray Fe fluorescence and diffraction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11184-11187.	7.6	46
54	Development of a prototype gantry system for preclinical X-ray phase-contrast computed tomography. Medical Physics, 2011, 38, 5910-5915.	2.9	45

#	ARTICLE	IF	CITATIONS
55	Assessment of grating-based X-ray phase-contrast CT for differentiation of invasive ductal carcinoma and ductal carcinoma in situ in an experimental ex vivo set-up. <i>European Radiology</i> , 2013, 23, 381-387.	4.6	45
56	Speckle-based x-ray phase-contrast imaging with a laboratory source and the scanning technique. <i>Optics Letters</i> , 2015, 40, 2822.	3.3	44
57	The versatile X-ray beamline of the Munich Compact Light Source: design, instrumentation and applications. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1395-1414.	2.4	44
58	Statistical iterative reconstruction algorithm for X-ray phase-contrast CT. <i>Scientific Reports</i> , 2015, 5, 10452.	3.4	43
59	Toward Clinically Compatible Phase-Contrast Mammography. <i>PLoS ONE</i> , 2015, 10, e0130776.	2.5	42
60	Improved visualization of breast cancer features in multifocal carcinoma using phase-contrast and dark-field mammography: an ex vivo study. <i>European Radiology</i> , 2015, 25, 3659-3668.	4.6	41
61	AHA classification of coronary and carotid atherosclerotic plaques by grating-based phase-contrast computed tomography. <i>European Radiology</i> , 2016, 26, 3223-3233.	4.6	41
62	Hydrophobic Properties of Biofilm-Enriched Hybrid Mortar. <i>Advanced Materials</i> , 2016, 28, 8138-8143.	24.3	41
63	Nucleus-specific X-ray stain for 3D virtual histology. <i>Scientific Reports</i> , 2018, 8, 17855.	3.4	41
64	Characterization of a Panel of Cell Lines Derived From Urothelial Neoplasms: Genetic Alterations, Growth In Vivo and the Relationship of Adenoviral Mediated Gene Transfer to Coxsackie Adenovirus Receptor Expression. <i>Journal of Urology</i> , 2006, 175, 1133-1137.	3.8	40
65	Facilitated Diagnosis of Pneumothoraces in Newborn Mice Using X-ray Dark-Field Radiography. <i>Investigative Radiology</i> , 2016, 51, 597-601.	6.3	40
66	X-ray phase tomography with near-field speckles for three-dimensional virtual histology. <i>Optica</i> , 2020, 7, 1221.	9.3	40
67	Coherence and wavefront characterization of Si-111 monochromators using double-grating interferometry. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 299-307.	2.4	39
68	Large field-of-view tiled grating structures for X-ray phase-contrast imaging. <i>Review of Scientific Instruments</i> , 2017, 88, 015104.	1.4	39
69	Propagation-based Phase-Contrast X-ray Imaging at a Compact Light Source. <i>Scientific Reports</i> , 2017, 7, 4908.	3.4	39
70	Visualization of neonatal lung injury associated with mechanical ventilation using x-ray dark-field radiography. <i>Scientific Reports</i> , 2016, 6, 24269.	3.4	38
71	Simultaneous wood and metal particle detection on dark-field radiography. <i>European Radiology Experimental</i> , 2018, 2, 1.	3.6	38
72	Mobilization of long-term reconstituting hematopoietic stem cells in mice by recombinant human interleukin 7. <i>Journal of Experimental Medicine</i> , 1995, 181, 369-374.	8.8	37

#	ARTICLE	IF	CITATIONS
73	Quantitative imaging using high-energy X-ray phase-contrast CT with a 70 kVp polychromatic X-ray spectrum. <i>Optics Express</i> , 2015, 23, 523.	3.4	37
74	X-ray nanotomography using near-field ptychography. <i>Optics Express</i> , 2015, 23, 12720.	3.4	37
75	X-ray microtomography using correlation of near-field speckles for material characterization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12569-12573.	7.6	37
76	Anti-“Tumor Necrosis Factor $\alpha$ versus Tocilizumab in the Treatment of Refractory Uveitic Macular Edema. <i>Ophthalmology</i> , 2022, 129, 520-529.	5.8	37
77	Evaluation of phase-contrast CT of breast tissue at conventional X-ray sources – presentation of selected findings. <i>Zeitschrift Fur Medizinische Physik</i> , 2013, 23, 212-221.	1.6	36
78	MCL-1 gains occur with high frequency in lung adenocarcinoma and can be targeted therapeutically. <i>Nature Communications</i> , 2020, 11, 4527.	13.2	36
79	Grating-based phase-contrast and dark-field computed tomography: a single-shot method. <i>Scientific Reports</i> , 2017, 7, 7476.	3.4	35
80	Bone mineral density measurements in vertebral specimens and phantoms using dual-layer spectral computed tomography. <i>Scientific Reports</i> , 2017, 7, 17519.	3.4	35
81	Bi-Directional X-Ray Phase-Contrast Mammography. <i>PLoS ONE</i> , 2014, 9, e93502.	2.5	34
82	X-ray phase-contrast tomography of porcine fat and rind. <i>Meat Science</i> , 2011, 88, 379-383.	5.7	33
83	Multimodal hard X-ray imaging of a mammography phantom at a compact synchrotron light source. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 525-529.	2.4	33
84	Simulations of x-ray speckle-based dark-field and phase-contrast imaging with a polychromatic beam. <i>Journal of Applied Physics</i> , 2015, 118, .	2.3	33
85	Reduction of Metal Artifact in Single Photon-Counting Computed Tomography by Spectral-Driven Iterative Reconstruction Technique. <i>PLoS ONE</i> , 2015, 10, e0124831.	2.5	33
86	Constrained X-ray tensor tomography reconstruction. <i>Optics Express</i> , 2015, 23, 15134.	3.4	32
87	Depiction of pneumothoraces in a large animal model using x-ray dark-field radiography. <i>Scientific Reports</i> , 2018, 8, 2602.	3.4	32
88	Direct quantitative material decomposition employing grating-based X-ray phase-contrast CT. <i>Scientific Reports</i> , 2018, 8, 16394.	3.4	32
89	Experimental and numerical analysis of void structure in random packed beds of spheres. <i>Powder Technology</i> , 2021, 380, 613-628.	4.3	32
90	Imaging Liver Lesions Using Grating-Based Phase-Contrast Computed Tomography with Bi-Lateral Filter Post-Processing. <i>PLoS ONE</i> , 2014, 9, e83369.	2.5	31

#	ARTICLE	IF	CITATIONS
91	Multi-contrast 3D X-ray imaging of porous and composite materials. Applied Physics Letters, 2015, 106, .	3.2	31
92	FMT-PCCT: Hybrid Fluorescence Molecular Tomography&#x2013;X-Ray Phase-Contrast CT Imaging of Mouse Models. IEEE Transactions on Medical Imaging, 2014, 33, 1434-1446.	9.1	30
93	Correlation of X-Ray Vector Radiography to Bone Micro-Architecture. Scientific Reports, 2014, 4, 3695.	3.4	30
94	Dentinal tubules revealed with X-ray tensor tomography. Dental Materials, 2016, 32, 1189-1195.	3.5	30
95	K-edge subtraction imaging for coronary angiography with a compact synchrotron X-ray source. PLoS ONE, 2018, 13, e0208446.	2.5	30
96	In vivo Dynamic Phase-Contrast X-ray Imaging using a Compact Light Source. Scientific Reports, 2018, 8, 6788.	3.4	30
97	Optimization of tube voltage in X-ray dark-field chest radiography. Scientific Reports, 2019, 9, 8699.	3.4	30
98	Enhancement of coherent X-ray diffraction from nanocrystals by introduction of X-ray optics. Optics Express, 2003, 11, 2329.	3.4	29
99	Visualizing Typical Features of Breast Fibroadenomas Using Phase-Contrast CT: An Ex-Vivo Study. PLoS ONE, 2014, 9, e97101.	2.5	29
100	Penalized maximum likelihood reconstruction for x-ray differential phase-contrast tomography. Medical Physics, 2015, 43, 188-194.	2.9	29
101	Improved Diagnostics by Assessing the Micromorphology of Breast Calcifications via X-Ray Dark-Field Radiography. Scientific Reports, 2016, 6, 36991.	3.4	29
102	Anthocyanin-Rich Extract from Red Chinese Cabbage Alleviates Vascular Inflammation in Endothelial Cells and Apo E&#x2013;/&#x2013; Mice. International Journal of Molecular Sciences, 2018, 19, 816.	4.2	29
103	Visualizing treatment delivery and deposition in mouse lungs using in vivo x-ray imaging. Journal of Controlled Release, 2019, 307, 282-291.	10.2	29
104	X-Ray Phase-Contrast CT of a Pancreatic Ductal Adenocarcinoma Mouse Model. PLoS ONE, 2013, 8, e58439.	2.5	29
105	X-Ray Phase-Contrast Tomography of Renal Ischemia-Reperfusion Damage. PLoS ONE, 2014, 9, e109562.	2.5	28
106	Non-binary phase gratings for x-ray imaging with a compact Talbot interferometer. Optics Express, 2014, 22, 547.	3.4	28
107	Characterization of near-field ptychography. Optics Express, 2015, 23, 19728.	3.4	28
108	Trabecular bone anisotropy imaging with a compact laser-undulator synchrotron x-ray source. Scientific Reports, 2017, 7, 14477.	3.4	28

#	ARTICLE	IF	CITATIONS
109	Differentiation between blood and iodine in a bovine brain—Initial experience with Spectral Photon-Counting Computed Tomography (SPCCT). PLoS ONE, 2019, 14, e0212679.	2.5	28
110	Energy-Dispersive X-ray Absorption Spectroscopy with an Inverse Compton Source. Scientific Reports, 2020, 10, 8772.	3.4	28
111	Preparation of quercetin—nicotinamide cocrystals and their evaluation under <i>in vivo</i> and <i>in vitro</i> conditions. RSC Advances, 2020, 10, 21852-21859.	3.7	28
112	High resolution laboratory grating-based X-ray phase-contrast CT. Scientific Reports, 2018, 8, 15884.	3.4	26
113	A robust convolutional neural network for lung nodule detection in the presence of foreign bodies. Scientific Reports, 2020, 10, 12987.	3.4	26
114	Qualitative and Quantitative Assessment of Emphysema Using Dark-Field Chest Radiography. Radiology, 2022, 303, 119-127.	8.8	26
115	Reflection of waveguided X-rays in two-dimensional nanostructures. Journal of Applied Crystallography, 2002, 35, 430-433.	4.9	25
116	An algebraic iterative reconstruction technique for differential X-ray phase-contrast computed tomography. Zeitschrift Fur Medizinische Physik, 2013, 23, 186-193.	1.6	25
117	Coherent Superposition in Grating-Based Directional Dark-Field Imaging. PLoS ONE, 2013, 8, e61268.	2.5	25
118	Translation of Atherosclerotic Plaque Phase-Contrast CT Imaging from Synchrotron Radiation to a Conventional Lab-Based X-Ray Source. PLoS ONE, 2013, 8, e73513.	2.5	25
119	Phase-Contrast Hounsfield Units of Fixated and Non-Fixated Soft-Tissue Samples. PLoS ONE, 2015, 10, e0137016.	2.5	25
120	Mono-Energy Coronary Angiography with a Compact Synchrotron Source. Scientific Reports, 2017, 7, 42211.	3.4	25
121	X-ray dark-field radiography facilitates the diagnosis of pulmonary fibrosis in a mouse model. Scientific Reports, 2017, 7, 340.	3.4	25
122	X-Ray Dark-field Imaging to Depict Acute Lung Inflammation in Mice. Scientific Reports, 2018, 8, 2096.	3.4	25
123	Accurate effective atomic number determination with polychromatic grating-based phase-contrast computed tomography. Optics Express, 2018, 26, 15153.	3.4	25
124	Methods for dynamic synchrotron X-ray respiratory imaging in live animals. Journal of Synchrotron Radiation, 2020, 27, 164-175.	2.4	25
125	Comparison of Contrast-to-Noise Ratios of Transmission and Dark-Field Signal in Grating-Based X-ray Imaging for Healthy Murine Lung Tissue. Zeitschrift Fur Medizinische Physik, 2013, 23, 236-242.	1.6	24
126	Equity in use of maternal health services in Western Rural China: a survey from Shaanxi province. BMC Health Services Research, 2014, 14, 155.	2.2	24



#	ARTICLE	IF	CITATIONS
127	A high visibility Talbot-Lau neutron grating interferometer to investigate stress-induced magnetic degradation in electrical steel. <i>Scientific Reports</i> , 2020, 10, 1764.	3.4	24
128	X-ray grating interferometer for materials-science imaging at a low-coherent wiggler source. <i>Review of Scientific Instruments</i> , 2011, 82, 113711.	1.4	23
129	Grating-based X-ray phase-contrast tomography of atherosclerotic plaque at high photon energies. <i>Zeitschrift Fur Medizinische Physik</i> , 2013, 23, 194-203.	1.6	23
130	Phase retrieval from one partial derivative. <i>Optics Letters</i> , 2013, 38, 4813.	3.3	23
131	Lung tumors on multimodal radiographs derived from grating-based X-ray imaging – A feasibility study. <i>Physica Medica</i> , 2014, 30, 352-357.	0.7	23
132	Analysis and correction of bias induced by phase stepping jitter in grating-based X-ray phase-contrast imaging. <i>Optics Express</i> , 2018, 26, 12707.	3.4	23
133	CT scanning of membrane feed spacers – Impact of spacer model accuracy on hydrodynamic and solute transport modeling in membrane feed channels. <i>Journal of Membrane Science</i> , 2018, 564, 133-145.	8.3	23
134	Multimodal Precision Imaging of Pulmonary Nanoparticle Delivery in Mice: Dynamics of Application, Spatial Distribution, and Dosimetry. <i>Small</i> , 2019, 15, e1904112.	11.2	23
135	X-ray imaging of a water bear offers a new look at tardigrade internal anatomy. <i>Zoological Letters</i> , 2019, 5, 14.	1.3	23
136	X-ray grating-based phase tomography for 3D histology. <i>RSC Advances</i> , 2013, 3, 19816.	3.7	22
137	Dual-layer spectral computed tomography: measuring relative electron density. <i>European Radiology Experimental</i> , 2018, 2, 20.	3.6	22
138	Quantitative X-ray phase contrast computed tomography with grating interferometry. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4171-4188.	6.7	22
139	X-ray Phase-Contrast Computed Tomography of Human Coronary Arteries. <i>Investigative Radiology</i> , 2015, 50, 686-694.	6.3	21
140	Non-iterative Directional Dark-field Tomography. <i>Scientific Reports</i> , 2017, 7, 3307.	3.4	21
141	Propagation-based phase-contrast x-ray tomography of cochlea using a compact synchrotron source. <i>Scientific Reports</i> , 2018, 8, 4922.	3.4	21
142	Imaging features in post-mortem x-ray dark-field chest radiographs and correlation with conventional x-ray and CT. <i>European Radiology Experimental</i> , 2019, 3, 25.	3.6	21
143	DXA-equivalent quantification of bone mineral density using dual-layer spectral CT scout scans. <i>European Radiology</i> , 2019, 29, 4624-4634.	4.6	21
144	A tilted grating interferometer for full vector field differential x-ray phase contrast tomography. <i>Optics Express</i> , 2011, 19, 24890.	3.4	20

#	ARTICLE	IF	CITATIONS
145	Assessment of intraductal carcinoma in situ (DCIS) using grating-based X-ray phase-contrast CT at conventional X-ray sources: An experimental ex-vivo study. PLoS ONE, 2019, 14, e0210291.	2.5	20
146	Quantitative Three-Dimensional Imaging of Lipid, Protein, and Water Contents via X-Ray Phase-Contrast Tomography. PLoS ONE, 2016, 11, e0151889.	2.5	20
147	Mass Density Measurement of Mineralized Tissue with Grating-Based X-Ray Phase Tomography. PLoS ONE, 2016, 11, e0167797.	2.5	20
148	A reconstruction method for cone-beam differential x-ray phase-contrast computed tomography. Optics Express, 2012, 20, 21512.	3.4	19
149	X-ray phase-contrast tomosynthesis for improved breast tissue discrimination. European Journal of Radiology, 2014, 83, 531-536.	2.7	19
150	Helical differential X-ray phase-contrast computed tomography. Physica Medica, 2014, 30, 374-379.	0.7	19
151	A step towards valid detection and quantification of lung cancer volume in experimental mice with contrast agent-based X-ray microtomography. Scientific Reports, 2019, 9, 1325.	3.4	19
152	Coherent grazing exit x-ray scattering geometry for probing the structure of thin films. Applied Physics Letters, 2004, 84, 1847-1849.	3.2	18
153	Low-dose, phase-contrast mammography with high signal-to-noise ratio. Biomedical Optics Express, 2016, 7, 381.	3.0	18
154	Early-Stage Pilot Study on Using Fractional-Order Calculus-Based Filtering for the Purpose of Analysis of Electroencephalography Signals. Studies in Logic, Grammar and Rhetoric, 2016, 47, 103-111.	0.2	18
155	Brain Connectivity Exposed by Anisotropic X-ray Dark-field Tomography. Scientific Reports, 2018, 8, 14345.	3.4	18
156	Quantitative dual-energy micro-CT with a photon-counting detector for material science and non-destructive testing. PLoS ONE, 2019, 14, e0219659.	2.5	18
157	Lung nodule detection in chest X-rays using synthetic ground-truth data comparing CNN-based diagnosis to human performance. Scientific Reports, 2021, 11, 15857.	3.4	18
158	Advanced X-ray Imaging Technology. Recent Results in Cancer Research, 2020, 216, 3-30.	0.0	18
159	Dose-compatible grating-based phase-contrast mammography on mastectomy specimens using a compact synchrotron source. Scientific Reports, 2018, 8, 15700.	3.4	17
160	K-edge Subtraction Computed Tomography with a Compact Synchrotron X-ray Source. Scientific Reports, 2019, 9, 13332.	3.4	17
161	Opportunistic osteoporosis screening: contrast-enhanced dual-layer spectral CT provides accurate measurements of vertebral bone mineral density. European Radiology, 2021, 31, 3147-3155.	4.6	17
162	Dual-energy micro-CT for quantifying the time-course and staining characteristics of ex-vivo animal organs treated with iodine- and gadolinium-based contrast agents. Scientific Reports, 2017, 7, 17387.	3.4	16

#	ARTICLE	IF	CITATIONS
163	Spectral Angiography Material Decomposition Using an Empirical Forward Model and a Dictionary-Based Regularization. IEEE Transactions on Medical Imaging, 2018, 37, 2298-2309.	9.1	16
164	Grating-based spectral X-ray dark-field imaging for correlation with structural size measures. Scientific Reports, 2020, 10, 13195.	3.4	16
165	Qualitative comparison of non-destructive methods for inspection of carbon fiber-reinforced polymer laminates. Journal of Composite Materials, 2020, 54, 4325-4337.	2.4	16
166	WNet: A Data-Driven Dual-Domain Denoising Model for Sparse-View Computed Tomography With a Trainable Reconstruction Layer. IEEE Transactions on Computational Imaging, 2023, 9, 120-132.	4.5	16
167	X-ray beam-position monitoring in the sub-micrometre and sub-second regime. Journal of Synchrotron Radiation, 2005, 12, 795-799.	2.4	15
168	Simulated Cystic Renal Lesions: Quantitative X-ray Phase-Contrast CT—An In Vitro Phantom Study. Radiology, 2014, 272, 739-748.	8.8	15
169	3D Algebraic Iterative Reconstruction for Cone-Beam X-Ray Differential Phase-Contrast Computed Tomography. PLoS ONE, 2015, 10, e0117502.	2.5	15
170	Detection of sub-pixel fractures in X-ray dark-field tomography. Applied Physics A: Materials Science and Processing, 2015, 121, 1243-1250.	2.4	15
171	Large-area full field x-ray differential phase-contrast imaging using 2D tiled gratings. Journal Physics D: Applied Physics, 2017, 50, 225401.	2.9	15
172	A proof of principle experiment for microbeam radiation therapy at the Munich compact light source. Radiation and Environmental Biophysics, 2020, 59, 111-120.	1.4	15
173	Numerical comparison of X-ray differential phase contrast and attenuation contrast. Biomedical Optics Express, 2012, 3, 1141.	3.0	14
174	Hard X-ray phase-contrast tomography of non-homogeneous specimens: grating interferometry versus propagation-based imaging. Journal of Synchrotron Radiation, 2016, 23, 1202-1209.	2.4	14
175	On the Mechanism of Catalytic Decarboxylation of Carboxylic Acids on Carbon-Supported Palladium Hydride. ACS Catalysis, 2021, 11, 14625-14634.	11.7	14
176	Evaluation of the potential of phase-contrast computed tomography for improved visualization of cancerous human liver tissue. Zeitschrift Fur Medizinische Physik, 2013, 23, 204-211.	1.6	13
177	Lens-term- and edge-effect in X-ray grating interferometry. Biomedical Optics Express, 2015, 6, 4812.	3.0	13
178	X-ray Dark-Field Vector Radiography—A Novel Technique for Osteoporosis Imaging. Journal of Computer Assisted Tomography, 2015, 39, 286-289.	0.9	13
179	Ex Vivo Perfusion-Simulation Measurements of Microbubbles as a Scattering Contrast Agent for Grating-Based X-Ray Dark-Field Imaging. PLoS ONE, 2015, 10, e0129512.	2.5	13
180	X-ray computed tomography using curvelet sparse regularization. Medical Physics, 2015, 42, 1555-1565.	2.9	13

#	ARTICLE	IF	CITATIONS
181	Shape Identification of Primary Particles in Potash Alum Aggregates Using Three-Dimensional Tomography Data. <i>Crystal Growth and Design</i> , 2016, 16, 2685-2699.	3.2	13
182	Increased cell survival and cytogenetic integrity by spatial dose redistribution at a compact synchrotron X-ray source. <i>PLoS ONE</i> , 2017, 12, e0186005.	2.5	13
183	Electron Density of Adipose Tissues Determined by Phase-Contrast Computed Tomography Provides a Measure for Mitochondrial Density and Fat Content. <i>Frontiers in Physiology</i> , 2018, 9, 707.	2.8	13
184	Imaging of Metastatic Lymph Nodes by X-ray Phase-Contrast Micro-Tomography. <i>PLoS ONE</i> , 2013, 8, e54047.	2.5	13
185	Grating-based X-ray dark-field computed tomography for the characterization of friction stir welds: A feasibility study. <i>Materials Characterization</i> , 2017, 129, 143-148.	4.4	12
186	Qualitative and Quantitative Evaluation of Structural Myocardial Alterations by Grating-Based Phase-Contrast Computed Tomography. <i>Investigative Radiology</i> , 2018, 53, 26-34.	6.3	12
187	Functional morphology of a lobopod: case study of an onychophoran leg. <i>Royal Society Open Science</i> , 2019, 6, 191200.	2.5	12
188	Contrast-to-noise ratios and thickness-normalized, ventilation-dependent signal levels in dark-field and conventional in vivo thorax radiographs of two pigs. <i>PLoS ONE</i> , 2019, 14, e0217858.	2.5	12
189	Full-field structured-illumination super-resolution X-ray transmission microscopy. <i>Nature Communications</i> , 2019, 10, 2494.	13.2	12
190	Device for source position stabilization and beam parameter monitoring at inverse Compton X-ray sources. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1546-1553.	2.4	12
191	Prediction of Vertebral Failure Load by Using X-Ray Vector Radiographic Imaging. <i>Radiology</i> , 2015, 275, 553-561.	8.8	11
192	X-ray dark-field contrast imaging of water transport during hydration and drying of early-age cement-based materials. <i>Materials Characterization</i> , 2018, 142, 560-576.	4.4	11
193	X-ray Dark-Field Radiography. <i>Investigative Radiology</i> , 2020, 55, 494-498.	6.3	11
194	Nanosopic X-ray tomography for correlative microscopy of a small meiofaunal sea-cucumber. <i>Scientific Reports</i> , 2020, 10, 3960.	3.4	11
195	Whole-body x-ray dark-field radiography of a human cadaver. <i>European Radiology Experimental</i> , 2021, 5, 6.	3.6	11
196	In-vivo X-ray dark-field computed tomography for the detection of radiation-induced lung damage in mice. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 20, 11-16.	2.8	11
197	Dark-field chest X-ray imaging for the assessment of COVID-19-pneumonia. <i>Communications Medicine</i> , 2022, 2, .	4.3	11
198	X-ray deconvolution microscopy. <i>Biomedical Optics Express</i> , 2016, 7, 1227.	3.0	10

#	ARTICLE	IF	CITATIONS
199	Disorientation angle distribution of primary particles in potash alum aggregates. <i>Journal of Crystal Growth</i> , 2017, 467, 93-106.	1.6	10
200	Heterogeneity of Graphite Lithiation in State-of-the-Art Cylinder-Type Li-Ion Cells. <i>Batteries and Supercaps</i> , 2021, 4, 327-335.	5.0	10
201	Dosimetry on first clinical dark-field chest radiography. <i>Medical Physics</i> , 2021, 48, 6152-6159.	2.9	10
202	X-ray phase contrast imaging using a grating interferometer. <i>Europhysics News</i> , 2006, 37, 13-15.	0.3	9
203	Fast one-dimensional wave-front propagation for x-ray differential phase-contrast imaging. <i>Biomedical Optics Express</i> , 2014, 5, 3739.	3.0	9
204	Perfusion-ventilation CT via three-material differentiation in dual-layer CT: a feasibility study. <i>Scientific Reports</i> , 2019, 9, 5837.	3.4	9
205	3D grating-based X-ray phase-contrast computed tomography for high-resolution quantitative assessment of cartilage: An experimental feasibility study with 3T MRI, 7T MRI and biomechanical correlation. <i>PLoS ONE</i> , 2019, 14, e0212106.	2.5	9
206	3D Non-destructive Imaging through Heavy-Metal Eosin Salt Contrast Agents. <i>Chemistry - A European Journal</i> , 2021, 27, 4561-4566.	3.9	9
207	Quality and parameter control of X-ray absorption gratings by angular X-ray transmission. <i>Optics Express</i> , 2019, 27, 15943.	3.4	9
208	Ex Vivo Assessment of Coronary Atherosclerotic Plaque by Grating-Based Phase-Contrast Computed Tomography. <i>Investigative Radiology</i> , 2017, 52, 223-231.	6.3	8
209	Dual-energy micro-CT with a dual-layer, dual-color, single-crystal scintillator. <i>Optics Express</i> , 2017, 25, 6924.	3.4	8
210	Advanced Non-Destructive Ocular Visualization Methods by Improved X-Ray Imaging Techniques. <i>PLoS ONE</i> , 2017, 12, e0170633.	2.5	8
211	Dynamic K-edge Subtraction Fluoroscopy at a Compact Inverse-Compton Synchrotron X-ray Source. <i>Scientific Reports</i> , 2020, 10, 9612.	3.4	8
212	X-ray dark-field tomography reveals tooth cracks. <i>Scientific Reports</i> , 2021, 11, 14017.	3.4	8
213	Incorporation of Cr 3+ ions in tuning the magnetic and transport properties of nano zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2016, 657, 95-108.	5.7	7
214	Fourier domain image fusion for differential X-ray phase-contrast breast imaging. <i>European Journal of Radiology</i> , 2017, 89, 27-32.	2.7	7
215	Dark-field imaging in coronary atherosclerosis. <i>European Journal of Radiology</i> , 2017, 94, 38-45.	2.7	7
216	Early detection of radiation-induced lung damage with X-ray dark-field radiography in mice. <i>European Radiology</i> , 2021, 31, 4175-4183.	4.6	7

#	ARTICLE	IF	CITATIONS
217	Spectroscopic imaging at compact inverse Compton X-ray sources. <i>Physica Medica</i> , 2020, 79, 137-144.	0.7	7
218	Modeling Vibrations of a Tiled Talbot-Lau Interferometer on a Clinical CT. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 774-784.	9.1	7
219	Initial Characterization of Dark-Field CT on a Clinical Gantry. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 1035-1045.	9.1	7
220	Contrast-to-noise ratio optimization for a prototype phase-contrast computed tomography scanner. <i>Review of Scientific Instruments</i> , 2015, 86, 123705.	1.4	6
221	One-Step Synthesis of CdSe Quantum Dots by Using Hydrazine Hydrate Reduction of Selenium Dioxide. <i>Australian Journal of Chemistry</i> , 2018, 71, 524.	0.0	6
222	Grating-based phase-contrast CT (PCCT): histopathological correlation of human liver cirrhosis and hepatocellular carcinoma specimen. <i>Journal of Clinical Pathology</i> , 2020, 73, 483-487.	2.2	6
223	K-edge subtraction imaging for iodine and calcium separation at a compact synchrotron x-ray source. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	1.6	6
224	Dark-field chest x-ray imaging: first experience in patients with alpha1-antitrypsin deficiency. <i>European Radiology Experimental</i> , 2022, 6, 9.	3.6	6
225	X-ray computed tomography with seven degree of freedom robotic sample holder. <i>Engineering Research Express</i> , 2022, 4, 035022.	1.6	6
226	Technical Design Considerations of a Human-Scale Talbot-Lau Interferometer for Dark-Field CT. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 220-232.	9.1	6
227	ANALYSIS OF THE SYSTEMIC APPROACH TO THE CONCEPT OF LEAN MANUFACTURING – RESULTS OF EMPIRICAL RESEARCH. <i>Polish Journal of Management Studies</i> , 2022, 25, 375-395.	0.9	6
228	Regularized iterative integration combined with non-linear diffusion filtering for phase-contrast x-ray computed tomography. <i>Optics Express</i> , 2014, 22, 32107.	3.4	5
229	False alarm classification for multivariate manufacturing processes of thin film transistor–liquid crystal displays. <i>Journal of Process Control</i> , 2015, 35, 21-29.	3.4	5
230	The Munich Compact Light Source: Flux Doubling and Source Position Stabilization At a Compact Inverse-Compton Synchrotron X-ray Source.. <i>Microscopy and Microanalysis</i> , 2018, 24, 316-317.	0.4	5
231	Dynamic Quantitative Iodine Myocardial Perfusion Imaging with Dual-Layer CT using a Porcine Model. <i>Scientific Reports</i> , 2019, 9, 16046.	3.4	5
232	Paleometry as a key tool to deal with paleobiological and astrobiological issues: some contributions and reflections on the Brazilian fossil record. <i>International Journal of Astrobiology</i> , 2019, 18, 575-589.	1.5	5
233	Metric-guided regularisation parameter selection for statistical iterative reconstruction in computed tomography. <i>Scientific Reports</i> , 2019, 9, 6016.	3.4	5
234	Imaging characteristics of intravascular spherical contrast agents for grating-based x-ray dark-field imaging – effects of concentrations, spherical sizes and applied voltage. <i>Scientific Reports</i> , 2020, 10, 9405.	3.4	5

#	ARTICLE	IF	CITATIONS
235	Detection of Bone Marrow Edema in Patients with Osteoid Osteoma Using Three-Material Decomposition with Dual-Layer Spectral CT. <i>Diagnostics</i> , 2021, 11, 953.	2.8	5
236	An Open-Source Framework for Automated High-Throughput Cell Biology Experiments. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 697584.	3.8	5
237	X-ray Dark-Field CT for Early Detection of Radiation-induced Lung Injury in a Murine Model. <i>Radiology</i> , 2022, 303, 696-698.	8.8	5
238	Absorption and Phase Contrast X-Ray Imaging in Paleontology Using Laboratory and Synchrotron Sources. <i>Microscopy and Microanalysis</i> , 2015, 21, 1288-1295.	0.4	4
239	Monitoring moisture distribution in textile materials using grating interferometry and ptychographic X-ray imaging. <i>Textile Research Journal</i> , 2015, 85, 80-90.	2.2	4
240	Revising the lower statistical limit of x-ray grating-based phase-contrast computed tomography. <i>PLoS ONE</i> , 2017, 12, e0184217.	2.5	4
241	Incorporating a Noise Reduction Technique Into X-Ray Tensor Tomography. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 137-146.	4.5	4
242	Tilted grating phase-contrast computed tomography using statistical iterative reconstruction. <i>Scientific Reports</i> , 2018, 8, 6608.	3.4	4
243	Laboratory-based X-ray NanoCT Explores Morphology of a Zebrafish Embryo. <i>Microscopy and Microanalysis</i> , 2018, 24, 184-185.	0.4	4
244	The Munich Compact Light Source: Biomedical Research At a Laboratory-Scale Inverse-Compton Synchrotron X-ray Source. <i>Microscopy and Microanalysis</i> , 2018, 24, 984-985.	0.4	4
245	Technical and dosimetric realization of in vivo x-ray microbeam irradiations at the Munich Compact Light Source. <i>Medical Physics</i> , 2020, 47, 5183-5193.	2.9	4
246	Direct Differentiation of Pathological Changes in the Human Lung Parenchyma With Grating-Based Spectral X-ray Dark-Field Radiography. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 1568-1578.	9.1	4
247	Correlation of image quality parameters with tube voltage in X-ray dark-field chest radiography: a phantom study. <i>Scientific Reports</i> , 2021, 11, 14130.	3.4	4
248	Spectral-detector based x-ray absorptiometry (SDXA): in-vivo bone mineral density measurements in patients with and without osteoporotic fractures. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 055021.	1.2	4
249	Laboratory-scale <i>in situ</i> X-ray absorption spectroscopy of a palladium catalyst on a compact inverse-Compton scattering X-ray beamline. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2649-2659.	2.6	4
250	Fabrication of x-ray absorption gratings via deep x-ray lithography using a conventional x-ray tube. <i>Journal of Micro-nanopatterning, Materials, and Metrology</i> , 2021, 20, .	0.9	4
251	Fabrication of X-ray absorption gratings by centrifugal deposition of bimodal tungsten particles in high aspect ratio silicon templates. <i>Scientific Reports</i> , 2022, 12, 5405.	3.4	4
252	X-ray Stain Localization with Near-Field Ptychographic Computed Tomography. <i>Advanced Science</i> , 2022, 9, .	12.4	4

#	ARTICLE	IF	CITATIONS
253	Emerging Research on Bone Health Using High-Resolution CT and MRI. <i>Current Radiology Reports</i> , 2014, 2, 1.	1.3	3
254	Ex vivo characterization of pathologic fluids with quantitative phase-contrast computed tomography. <i>European Journal of Radiology</i> , 2017, 86, 99-104.	2.7	3
255	Optimization of in vivo murine X-ray dark-field computed tomography. <i>Review of Scientific Instruments</i> , 2019, 90, 103103.	1.4	3
256	A proof-of principal study using phase-contrast imaging for the detection of large airway pathologies after lung transplantation. <i>Scientific Reports</i> , 2020, 10, 18444.	3.4	3
257	Photon-counting spectral basis component material decomposition for musculoskeletal radiographs. <i>Scientific Reports</i> , 2020, 10, 13889.	3.4	3
258	An approach to construct a three-dimensional isogeometric model from $\hat{1}/4$ -CT scan data with an application to the bridge of a violin. <i>Computer Aided Geometric Design</i> , 2020, 78, 101815.	1.3	3
259	Phase-Vortex Removal for Quantitative X-Ray Nanotomography with Near-Field Ptychography. <i>Physical Review Applied</i> , 2020, 14, .	3.8	3
260	Retrieval of 3D information in X-ray dark-field imaging with a large field of view. <i>Scientific Reports</i> , 2021, 11, 23504.	3.4	3
261	Multi-Scale Investigation of Human Renal Tissue in Three Dimensions. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 3489-3497.	9.1	3
262	Advanced Phase-Retrieval for Stepping-Free X-Ray Dark-Field Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2023, 42, 2876-2885.	9.1	3
263	Substrate morphology repetition in $\text{\AA}$ -polymer films. <i>Physica B: Condensed Matter</i> , 2005, 357, 136-140.	2.8	2
264	GPU Accelerated Image Processing in CCD-Based Neutron Imaging. <i>Journal of Imaging</i> , 2018, 4, 104.	3.1	2
265	3D Imaging of Soft-Tissue Samples using an X-ray Specific Staining Method and Nanoscopic Computed Tomography. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
266	Functionalization of 2-Phosphoryl-Substituted Phenols. <i>Russian Journal of General Chemistry</i> , 2019, 89, 1595-1603.	0.9	2
267	Towards subject-level cerebral infarction classification of CT scans using convolutional networks. <i>PLoS ONE</i> , 2020, 15, e0235765.	2.5	2
268	Propagation-based phase-contrast tomography of a guinea pig inner ear with cochlear implant using a model-based iterative reconstruction algorithm. <i>Biomedical Optics Express</i> , 2018, 9, 5330.	3.0	2
269	Analiza danych biometrycznych reakcji okoruchowych i mimicznych na archiwalny plakat propagandowy. <i>Studia Medioznawcze</i> , 2019, 20, 130-146.	0.3	2
270	Comparison of Thermal Neutron and Hard X-ray Dark-Field Tomography. <i>Journal of Imaging</i> , 2021, 7, 1.	3.1	2



#	ARTICLE	IF	CITATIONS
271	Assessment of Inflation in a Human Cadaveric Lung with Dark-Field Chest Radiography. <i>Radiology: Cardiothoracic Imaging</i> , 2022, 4, .	2.3	2
272	Correction for X-Ray Scatter and Detector Crosstalk in Dark-Field Radiography. <i>IEEE Transactions on Medical Imaging</i> , 2024, 43, 2646-2656.	9.1	2
273	Ein Phasenkontrast-Mikroskop für Neutronen. <i>Physik in Unserer Zeit</i> , 2006, 37, 210-211.	0.0	1
274	Posterior brain sensorimotor recruitment for inhibition of delayed responses in children. <i>Experimental Brain Research</i> , 2021, 239, 3221-3242.	1.5	1
275	Signal Retrieval from Non-Sinusoidal Intensity Modulations in X-ray and Neutron Interferometry Using Piecewise-Defined Polynomial Function. <i>Journal of Imaging</i> , 2021, 7, 209.	3.1	1
276	Correction for Mechanical Inaccuracies in a Scanning Talbot-Lau Interferometer. <i>IEEE Transactions on Medical Imaging</i> , 2024, 43, 28-38.	9.1	1
277	X-Ray Dark-Field Signal Reduction Due to Hardening of the Visibility Spectrum. <i>IEEE Transactions on Medical Imaging</i> , 2024, 43, 1422-1433.	9.1	1
278	Improving Automated Hemorrhage Detection at Sparse-View CT via U-Net-based Artifact Reduction. <i>Radiology: Artificial Intelligence</i> , 2024, 6, .	7.3	1
279	Structure of electroactive coatings based on fullerene and its derivatives. <i>Russian Chemical Bulletin</i> , 2008, 57, 316-323.	1.7	0
280	Pharmacogenetics and Pharmacogenomics of Cardiovascular Disease. , 0, , 115-124.		0
281	Details aus dem Inneren eines Zahns. <i>Stomatologie</i> , 2015, 112, 323-324.	0.0	0
282	Chapter One. The Land in Pure Land. , 2017, , 17-46.		0
283	Bismuth-Oxo-Clusters for Soft-Tissue Staining. <i>Microscopy and Microanalysis</i> , 2018, 24, 368-369.	0.4	0
284	Increasing sensitivity—a common-sense approach?. <i>Netherlands Heart Journal</i> , 2019, 27, 287-288.	0.9	0
285	Alkoholabhängigkeit (ICD-10 F1). , 2014, , 25-38.		0
286	A Super Absorbent Knitted Material ??_LUMIACE??. <i>Journal of Fiber Science and Technology</i> , 1994, 50, P484-P488.	0.0	0
287	Gendering (In-)Security: The Army, Barriers and Frontiers in Urban Tripoli. , 2017, , 101-120.		0
288	The Effectiveness of Education to Increase Motivation and Primary Cervical Cancer Prevention Actions. <i>Journal of Education Research and Evaluation</i> , 2020, 4, 435.	0.7	0

#	ARTICLE	IF	CITATIONS
289	Dose and spatial resolution analysis of grating-based phase-contrast mammography using an inverse Compton x-ray source. <i>Journal of Medical Imaging</i> , 2020, 7, 1.	1.6	0
290	Simultaneous two-color X-ray absorption spectroscopy using Laue crystals at an inverse-compton scattering X-ray facility. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1874-1880.	2.4	0
291	Optimization of propagation-based phase-contrast imaging at a laboratory setup. <i>Optics Express</i> , 2015, 23, 30000.	3.4	0
292	Long-Term Trajectories Following Severe Acute Brain Injury Requiring Mechanical Ventilation: A Mixed-methods Study to Assess Outcomes of Patients and Their Surrogate Decision-Makers (P5-7.006). <i>Neurology</i> , 2023, 100, .	1.1	0
293	Robust Sample Information Retrieval in Dark-Field Computed Tomography with a Vibrating Talbot-Lau Interferometer. <i>IEEE Transactions on Medical Imaging</i> , 2024, , 1-1.	9.1	0
294	Feasibility of Dark-Field Radiography to Enhance Detection of Nondisplaced Fractures. <i>Radiology</i> , 2024, 311, .	8.8	0