

Dominic Gascho

List of Publications by Citations

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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.

121 papers	974 citations	14 h-index	27 g-index
131 ext. papers	1,234 ext. citations	2.3 avg, IF	4.59 L-index

#	Paper	IF	Citations
121	Imaging in forensic radiology: an illustrated guide for postmortem computed tomography technique and protocols. <i>Forensic Science, Medicine, and Pathology</i> , 2014 , 10, 583-606	1.5	120
120	Developmental evidence for obstetric adaptation of the human female pelvis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5227-32	11.5	103
119	Post-mortem computed tomography: Technical principles and recommended parameter settings for high-resolution imaging. <i>Medicine, Science and the Law</i> , 2018 , 58, 70-82	1.1	47
118	Time-dependent postmortem redistribution of butyrfentanyl and its metabolites in blood and alternative matrices in a case of butyrfentanyl intoxication. <i>Forensic Science International</i> , 2016 , 266, 170-177	2.6	47
117	Intracerebral endotheliitis and microbleeds are neuropathological features of COVID-19. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 454-459	5.2	44
116	Forensic 3D Visualization of CT Data Using Cinematic Volume Rendering: A Preliminary Study. <i>American Journal of Roentgenology</i> , 2017 , 208, 233-240	5.4	36
115	Neomorphosis and heterochrony of skull shape in dog domestication. <i>Scientific Reports</i> , 2017 , 7, 13443	4.9	30
114	Time-Dependent Postmortem Redistribution of Opioids in Blood and Alternative Matrices. <i>Journal of Analytical Toxicology</i> , 2018 , 42, 365-374	2.9	28
113	Forensic 3D surface documentation at the Institute of Forensic Medicine in Zurich [Workflow and communication pipeline. <i>Journal of Forensic Radiology and Imaging</i> , 2016 , 5, 1-7	1.3	27
112	Time-dependent postmortem redistribution of morphine and its metabolites in blood and alternative matrices-application of CT-guided biopsy sampling. <i>International Journal of Legal Medicine</i> , 2017 , 131, 379-389	3.1	23
111	Racking the brain: detection of cerebral edema on postmortem computed tomography compared with forensic autopsy. <i>European Journal of Radiology</i> , 2015 , 84, 643-51	4.7	21
110	Relevant findings on postmortem CT and postmortem MRI in hanging, ligature strangulation and manual strangulation and their additional value compared to autopsy - a systematic review. <i>Forensic Science, Medicine, and Pathology</i> , 2019 , 15, 84-92	1.5	20
109	Development of CT-guided biopsy sampling for time-dependent postmortem redistribution investigations in blood and alternative matrices--proof of concept and application on two cases. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 1249-58	4.4	17
108	VirtoScan - a mobile, low-cost photogrammetry setup for fast post-mortem 3D full-body documentations in x-ray computed tomography and autopsy suites. <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 34-43	1.5	15
107	Glenoid morphology in light of anatomical and reverse total shoulder arthroplasty: a dissection- and 3D-CT-based study in male and female body donors. <i>BMC Musculoskeletal Disorders</i> , 2017 , 18, 9	2.8	14
106	Very economical immersion pump feasibility for postmortem CT angiography. <i>Journal of Forensic Radiology and Imaging</i> , 2016 , 5, 8-14	1.3	14
105	Identification of Bullets Based on Their Metallic Components and X-Ray Attenuation Characteristics at Different Energy Levels on CT. <i>American Journal of Roentgenology</i> , 2019 , 213, W105-W113	5.4	13

104	Standardized medical image registration for radiological identification of decedents based on paranasal sinuses. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018 , 54, 96-101	1.7	13
103	Comparative radiologic identification with CT images of paranasal sinuses [Development of a standardized approach. <i>Journal of Forensic Radiology and Imaging</i> , 2016 , 7, 1-9	1.3	13
102	Magnetic resonance imaging and computer tomography of brain lesions in water buffaloes and cattle stunned with handguns or captive bolts. <i>Meat Science</i> , 2016 , 113, 35-40	6.4	13
101	Postmortem distribution and redistribution of MDAI and 2-MAPB in blood and alternative matrices. <i>Forensic Science International</i> , 2017 , 279, 83-87	2.6	13
100	Postmortem H-MRS-Detection of Ketone Bodies and Glucose in Diabetic Ketoacidosis. <i>International Journal of Legal Medicine</i> , 2018 , 132, 593-598	3.1	12
99	Retained bullets in the head on computed tomography - Get the most out of iterative metal artifact reduction. <i>European Journal of Radiology</i> , 2018 , 103, 124-130	4.7	11
98	The gas bubble sign-a reliable indicator of laryngeal fractures in hanging on post-mortem CT. <i>British Journal of Radiology</i> , 2018 , 91, 20170479	3.4	10
97	Comparative radiologic identification with standardized single CT images of the paranasal sinuses-Evaluation of inter-rater reliability. <i>Forensic Science International</i> , 2017 , 280, 81-86	2.6	10
96	The tip of the tip of the knife: Stab sequence reconstruction using postmortem CT in a homicide case. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 205-209	1.3	9
95	The influence of 1.5 and 3 T magnetic resonance unit magnetic fields on the movement of steel-jacketed projectiles in ordnance gelatin. <i>Forensic Science, Medicine, and Pathology</i> , 2015 , 11, 544-551	1.5	9
94	Postmortem angiography in computed tomography and magnetic resonance imaging in a case of fatal hemorrhage due to an arterio-venous malformation in the brain. <i>Legal Medicine</i> , 2015 , 17, 180-3	1.9	8
93	Postmortem computed tomography-angiography (PMCTA) in decomposed bodies [A feasibility study. <i>Journal of Forensic Radiology and Imaging</i> , 2015 , 3, 226-234	1.3	8
92	Synergy of CT and MRI in detecting trajectories of lodged bullets in decedents and potential hazards concerning the heating and movement of bullets during MRI. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 20-31	1.5	8
91	Antemortem identification by fusion of MR and CT of the paranasal sinuses. <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 375-378	1.5	7
90	FRACTURE MRI: Optimized 3D multi-echo in-phase sequence for bone damage assessment in craniocerebral gunshot injuries. <i>Diagnostic and Interventional Imaging</i> , 2020 , 101, 611-615	5.4	7
89	To see or not to see -- ambiguous findings on post-mortem cross-sectional imaging in a case of ruptured abdominal aortic aneurysm. <i>Legal Medicine</i> , 2013 , 15, 256-9	1.9	7
88	Pitfalls in post-mortem CT-angiography--intravascular contrast induces post-mortem pericardial effusion. <i>Legal Medicine</i> , 2013 , 15, 315-7	1.9	7
87	Use of Postmortem Computed Tomography to Detect Bowel Obstruction and its Relationship to the Cause of Death. <i>American Journal of Forensic Medicine and Pathology</i> , 2018 , 39, 30-37	1	7

86	Smaller but denser: postmortem changes alter the CT characteristics of subdural hematomas. <i>Forensic Science, Medicine, and Pathology</i> , 2015 , 11, 40-6	1.5	6
85	A new method for estimating patient body weight using CT dose modulation data. <i>European Radiology Experimental</i> , 2017 , 1, 23	4.5	6
84	Movement of steel-jacketed projectiles in biological tissue in the magnetic field of a 3-T magnetic resonance unit. <i>International Journal of Legal Medicine</i> , 2017 , 131, 1363-1368	3.1	5
83	Application of 3D image fusion for radiological identification of decedents. <i>Journal of Forensic Radiology and Imaging</i> , 2018 , 13, 12-16	1.3	5
82	Charon's Coins. <i>Forensic Science, Medicine, and Pathology</i> , 2016 , 12, 384-7	1.5	5
81	Detection of elevated ketone bodies by postmortem 1H-MRS in a case of fetal ketoacidosis. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2018 , 59, 16-19	1.7	5
80	Imaging findings of diabetes on post-mortem CT. <i>Journal of Forensic Radiology and Imaging</i> , 2018 , 13, 27-41	1.3	5
79	Into the decomposed body [Feasibility of post-mortem CT angiography in a decomposed cadaver. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 149-152	1.3	5
78	Puzzling over intracranial gas: Disclosing a pitfall on postmortem computed tomography in a case of fatal blunt trauma. <i>Journal of Forensic Radiology and Imaging</i> , 2013 , 1, 137-141	1.3	5
77	Magnetic resonance imaging of the tensor vastus intermedius: A topographic study based on anatomical dissections. <i>Clinical Anatomy</i> , 2017 , 30, 1096-1102	2.5	5
76	A Mobile, Multi Camera Setup for 3D Full Body Imaging in Combination with Post-Mortem Computed Tomography Procedures 2016 ,		5
75	Time- and Site-Dependent Postmortem Redistribution of Antidepressants and Neuroleptics in Blood and Alternative Matrices. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 356-367	2.9	5
74	Flat chest projection in the detection and visualization of rib fractures: A cross-sectional study comparing curved and multiplanar reformation of computed tomography images in different reader groups. <i>Forensic Science International</i> , 2019 , 303, 109942	2.6	4
73	In situ postmortem ethanol quantification in the cerebrospinal fluid by non-water-suppressed proton MRS. <i>NMR in Biomedicine</i> , 2019 , 32, e4081	4.4	4
72	VirtoScan-on-Rails - an automated 3D imaging system for fast post-mortem whole-body surface documentation at autopsy tables. <i>Forensic Science, Medicine, and Pathology</i> , 2019 , 15, 198-212	1.5	4
71	Postmortem Computed Tomography and Magnetic Resonance Imaging of Gunshot Wounds to the Neck. <i>Journal of Forensic Sciences</i> , 2020 , 65, 1360-1364	1.8	4
70	Full virtual autopsy in a case of a suicidal transthoracic gunshot injury. <i>Forensic Imaging</i> , 2020 , 21, 200368.	6.6	4
69	Rapid and reliable detection of previous freezing of cerebral tissue by computed tomography and magnetic resonance imaging. <i>Forensic Science, Medicine, and Pathology</i> , 2018 , 14, 85-94	1.5	4

68	A moot point! A homicide case report on ambiguous projectile movement on postmortem MR. <i>Journal of Forensic Radiology and Imaging</i> , 2016 , 5, 62-67	1.3	4
67	Comparison of the beta-hydroxybutyrate, glucose, and lactate concentrations derived from postmortem proton magnetic resonance spectroscopy and biochemical analysis for the diagnosis of fatal metabolic disorders. <i>International Journal of Legal Medicine</i> , 2020 , 134, 603-612	3.1	4
66	Value of 3T craniocervical magnetic resonance imaging following nonfatal strangulation. <i>European Radiology</i> , 2019 , 29, 3458-3466	8	3
65	Visualization and material-based differentiation of lodged projectiles by extended CT scale and the dual-energy index. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2020 , 70, 101919	1.7	3
64	Injury potential of thrown sharp kitchen and household utensils. <i>Forensic Science, Medicine, and Pathology</i> , 2018 , 14, 31-41	1.5	3
63	Thoracic trauma in fatal falls from height - Traumatic pneumopericardium correlates with height of fall and severe injury. <i>Forensic Science, Medicine, and Pathology</i> , 2018 , 14, 188-193	1.5	3
62	Assessment of a specifically developed bullet casing gun for the stunning of water buffaloes. <i>Meat Science</i> , 2018 , 135, 74-78	6.4	3
61	Automatic entry point planning for robotic post-mortem CT-based needle placement. <i>Forensic Science, Medicine, and Pathology</i> , 2016 , 12, 336-42	1.5	3
60	Postmortem computed tomography and magnetic resonance imaging facilitates forensic autopsy in a fatal case of poisoning with formic acid, diphenhydramine, and ethanol. <i>Forensic Science, Medicine, and Pathology</i> , 2016 , 12, 304-11	1.5	3
59	Ankh in the depth - Subdermal 3D art implants: Radiological identification with body modification. <i>Legal Medicine</i> , 2016 , 20, 12-4	1.9	3
58	What is unsought will go undetected Myocardial bridging on postmortem computed tomography. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 5-8	1.3	3
57	Bone marrow edema induced by a bullet after a self-inflicted accidental firing. <i>Legal Medicine</i> , 2013 , 15, 329-31	1.9	3
56	Death by "Snow"! A Fatal Forensic Case of Cocaine Leakage in a "Drug Mule" on Postmortem Computed and Magnetic Resonance Tomography Compared With Autopsy. <i>American Journal of Forensic Medicine and Pathology</i> , 2017 , 38, 339-344	1	3
55	Evaluation of an acetated Ringer-based contrast material mixture for postmortem computed tomography angiography. <i>Diagnostic and Interventional Imaging</i> , 2020 , 101, 489-497	5.4	3
54	Noninvasive 7T MRI of fatal craniocerebral gunshots - a glance into the future of radiologic wound ballistics. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 595-604	1.5	3
53	Splenic rupture and mediastinal mass associated with rare TdT-negative T-LBL/T-ALL lead to sudden death of a juvenile. <i>Forensic Science, Medicine, and Pathology</i> , 2016 , 12, 523-526	1.5	3
52	The earliest known case of frontal sinus osteoma in man. <i>Clinical Anatomy</i> , 2019 , 32, 105-109	2.5	3
51	Comparison of MR Ultrashort Echo Time and Optimized 3D-Multiecho In-Phase Sequence to Computed Tomography for Assessment of the Osseous Craniocervical Junction. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 53, 1029-1039	5.6	3

50	3 Tesla magnetic resonance imaging study of the normal canine femoral and sciatic nerves. <i>Veterinary Radiology and Ultrasound</i> , 2017 , 58, 598-606	1.2	2
49	Experimental mummification-In the tracks of the ancient Egyptians. <i>Clinical Anatomy</i> , 2020 , 33, 860-871	2.5	2
48	Aortojejunal fistula. <i>Journal of Forensic Radiology and Imaging</i> , 2015 , 3, 101	1.3	2
47	Heavy metal in radiology: how to reliably differentiate between lodged copper and lead bullets using CT numbers. <i>European Radiology Experimental</i> , 2020 , 4, 43	4.5	2
46	Current state of perinatal postmortem magnetic resonance imaging: European Society of Paediatric Radiology questionnaire-based survey and recommendations. <i>Pediatric Radiology</i> , 2021 , 51, 792-799	2.8	2
45	Early development of the Neanderthal ribcage reveals a different body shape at birth compared to modern humans. <i>Science Advances</i> , 2020 , 6,	14.3	2
44	The value of MRI for assessing danger to life in nonfatal strangulation. <i>Forensic Imaging</i> , 2020 , 22, 200398	3.6	2
43	Explanation for the contradiction between the results of Diallo et al. (doi:10.1016/j.jofri.2018.10.001) and Winklhofer et al. (doi:10.1097/RLI.000000000000032) in differentiating ferromagnetic from nonferromagnetic bullets by means of the dual-energy index. <i>Journal of Forensic Radiology and Imaging</i> , 2019 , 19, 100351	1.3	2
42	Communicating 3D data-interactive 3D PDF documents for expert reports and scientific publications in the field of forensic medicine. <i>International Journal of Legal Medicine</i> , 2020 , 134, 1175-1183	3.1	2
41	Technical note: post mortem CT angiography of iliofemoral arteries after cardiovascular surgery. <i>Journal of Forensic Radiology and Imaging</i> , 2017 , 9, 40-43	1.3	1
40	The use of immunochromatographic rapid test for soft tissue remains identification in order to distinguish between human and non-human origin. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2017 , 57, 165-168	2	1
39	Preliminary testing of an augmented reality headset as a DICOM viewer during autopsy. <i>Forensic Imaging</i> , 2020 , 23, 200417	0.6	1
38	Feasibility, technique and accuracy of ultrasound-guided transurethral injections into the urinary sphincter of female cadavers: proof of concept. <i>BMC Urology</i> , 2020 , 20, 167	2.2	1
37	Postmortem Computed Tomography and Magnetic Resonance Imaging of an Abdominal Gunshot Wound. <i>American Journal of Forensic Medicine and Pathology</i> , 2020 , 41, 119-123	1	1
36	Postmortem Magnetic Resonance Imaging and Postmortem Computed Tomography in Ligature and Manual Strangulation. <i>American Journal of Forensic Medicine and Pathology</i> , 2020 , 41, 97-103	1	1
35	The added value of postmortem magnetic resonance imaging in cases of hanging compared to postmortem computed tomography and autopsy. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 234-242	1.5	1
34	In situ identification of Action 4, SECA and QD-PEP bullets from special police ammunitions by computed tomography. <i>Medicine, Science and the Law</i> , 2020 , 60, 188-195	1.1	1
33	Pandora's box. <i>Forensic Science, Medicine, and Pathology</i> , 2018 , 14, 120-122	1.5	1

32	A Fatal Case of a Ruptured Cerebral Aneurysm Detected by Postmortem Computed Tomography Angiography Using a New Contrast-Medium Solution. <i>American Journal of Forensic Medicine and Pathology</i> , 2016 , 37, 227-230	1	1
31	The Forensic Reference Phantom – a new tool for quality assurance of attenuation measurements in forensic radiology. <i>Journal of Forensic Radiology and Imaging</i> , 2013 , 1, 51-55	1.3	1
30	Fast three-dimensional whole-body post-mortem magnetic resonance angiography. <i>Journal of Forensic Radiology and Imaging</i> , 2017 , 10, 41-46	1.3	1
29	Noninvasive analysis and identification of an intramuscular fluid collection by postmortem H-MRS in a case of a fatal motor vehicle accident. <i>International Journal of Legal Medicine</i> , 2020 , 134, 1167-1174	3.1	1
28	Hidden shot pellets on postmortem computed tomography and their utilization for radiologic identification of decedents. <i>Forensic Science, Medicine, and Pathology</i> , 2020 , 16, 340-344	1.5	1
27	Gunshot wounds to the head: a comparison of postmortem magnetic resonance imaging, computed tomography, and autopsy. <i>Acta Radiologica</i> , 2021 , 284185121999999	2	1
26	Looking deep into the past – Virtual autopsy of a Mongolian warrior. <i>Forensic Imaging</i> , 2021 , 25, 200455	0.6	1
25	CT and MRI of a transcardiac gunshot wound with an annular distribution of bullet fragments surrounding an exit-re-entrance wound after the bullet burst from a floor tile upon exiting the lying body. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2021 , 77, 102087	1.7	1
24	Post-mortem computed tomography and post-mortem magnetic resonance imaging as triage tools for autopsy – A case report. <i>Journal of Forensic Radiology and Imaging</i> , 2018 , 14, 65-67	1.3	1
23	Beyond the visible spectrum - applying 3D multispectral full-body imaging to the VirtoScan system. <i>Forensic Science, Medicine, and Pathology</i> , 2021 , 17, 565-576	1.5	1
22	Virtopsy of a gravid using computed tomography and magnetic resonance imaging. <i>Veterinary and Animal Science</i> , 2020 , 10, 100150	2.3	0
21	Papilledema as a Diagnostic Sign of Cerebral Edema on Postmortem Magnetic Resonance Imaging. <i>American Journal of Forensic Medicine and Pathology</i> , 2016 , 37, 264-269	1	0
20	The invisible gorilla! A visual note of inattention blindness. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 221	1.3	0
19	CT-based and morphological comparison of glenoid inclination and version angles and mineralisation distribution in human body donors. <i>BMC Musculoskeletal Disorders</i> , 2021 , 22, 849	2.8	0
18	Ongoing tissue changes in an experimentally mummified human leg. <i>Anatomical Record</i> , 2020 , 303, 3085-3095	2.3	0
17	Noninvasive in situ proton MRS in muscle tissue and bone marrow as a novel approach to identify previous freezing in a completely thawed cadaver. <i>NMR in Biomedicine</i> , 2020 , 33, e4220	4.4	0
16	Cinematic rendering of a burst sagittal suture caused by an occipito-frontal gunshot wound. <i>Forensic Science, Medicine, and Pathology</i> , 2021 , 17, 726-729	1.5	0
15	7-T MRI for brain virtual autopsy: a proof of concept in comparison to 3-T MRI and CT. <i>European Radiology Experimental</i> , 2021 , 5, 3	4.5	0

14	Life is like a box of chocolates [you never know what you're gonna get! And sometimes things go missing. <i>Journal of Forensic Radiology and Imaging</i> , 2016 , 5, 71	1.3
13	Virtopsy on target! Virtobot hitting the bull's eye. <i>Journal of Forensic Radiology and Imaging</i> , 2015 , 3, 136	1.3
12	Pseudolesion in the right parafissural liver parenchyma on CT: The base is found in embryology and collagen content. <i>PLoS ONE</i> , 2020 , 15, e0221544	3.7
11	Make no bones about! A whole-body postmortem computed tomography of a train fatality. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 219-220	1.3
10	Patent foramen ovale as incidental finding in postmortem computed tomography angiography. <i>Journal of Forensic Radiology and Imaging</i> , 2014 , 2, 143-145	1.3
9	Response to "regarding the sudden death of a juvenile with rare TdT-negative T-LBL/T-ALL, splenic rupture, and mediastinal mass". <i>Forensic Science, Medicine, and Pathology</i> , 2017 , 13, 397-398	1.5
8	Annular distribution patterns of .357 Magnum fragments in soft tissue simulants after striking hard material that prevented the bullet from exiting. <i>Journal of Clinical Forensic and Legal Medicine</i> , 2021 , 85, 102286	1.7
7	Postmortem determination of hepatic steatosis. Comparing Rho/Z and fat fraction measurements on dual-energy CT for histological grading: A retrospective analysis. <i>Forensic Imaging</i> , 2020 , 23, 200422	0.6
6	Farewell, Green Sophie Hidden features of the 50 Swiss Franc banknote detected by computed tomography. <i>Journal of Forensic Radiology and Imaging</i> , 2018 , 14, 21-23	1.3
5	Fundamentals of in situ postmortem magnetic resonance spectroscopy of the brain in the forensic framework - a review and outlook. <i>Forensic Imaging</i> , 2022 , 29, 200499	0.6
4	Pseudolesion in the right parafissural liver parenchyma on CT: The base is found in embryology and collagen content 2020 , 15, e0221544	
3	Pseudolesion in the right parafissural liver parenchyma on CT: The base is found in embryology and collagen content 2020 , 15, e0221544	
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1	Pseudolesion in the right parafissural liver parenchyma on CT: The base is found in embryology and collagen content 2020 , 15, e0221544	