# Eva Scheurer

## List of Publications by Citations



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|---|---|---|---|
| 58 papers | 2,333 citations | 20 h-index | 48 g-index |
| 62 ext. papers | 2,706 ext. citations | 3.6 avg, IF | 4.34 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 58 | Quantitative susceptibility mapping (QSM) as a means to measure brain iron? A post mortem validation study. *NeuroImage*, **2012**, 62, 1593-9 | 7.9 | 432 |
| 57 | Virtopsy, a New Imaging Horizon in Forensic Pathology: Virtual Autopsy by Postmortem Multislice Computed Tomography (MSCT) and Magnetic Resonance Imaging (MRI)– Feasibility Study. *Journal of Forensic Sciences*, **2003**, 48, 2002166 | 1.8 | 392 |
| 56 | Quantitative MR imaging of brain iron: a postmortem validation study. *Radiology*, **2010**, 257, 455-62 | 20.5 | 321 |
| 55 | Virtopsy, a new imaging horizon in forensic pathology: virtual autopsy by postmortem multislice computed tomography (MSCT) and magnetic resonance imaging (MRI)--a feasibility study. *Journal of Forensic Sciences*, **2003**, 48, 386-403 | 1.8 | 158 |
| 54 | Post-mortem forensic neuroimaging: correlation of MSCT and MRI findings with autopsy results. *Forensic Science International*, **2007**, 173, 21-35 | 2.6 | 133 |
| 53 | Susceptibility induced gray-white matter MRI contrast in the human brain. *NeuroImage*, **2012**, 59, 1413-9 | 7.9 | 99 |
| 52 | Clinical forensic radiology in strangulation victims: forensic expertise based on magnetic resonance imaging (MRI) findings. *International Journal of Legal Medicine*, **2007**, 121, 115-23 | 3.1 | 64 |
| 51 | Assessment of trace elements in human brain using inductively coupled plasma mass spectrometry. *Journal of Trace Elements in Medicine and Biology*, **2014**, 28, 1-7 | 4.1 | 63 |
| 50 | Virtopsy: Forensic Traumatology of the Subcutaneous Fatty Tissue; Multislice Computed Tomography (MSCT) and Magnetic Resonance Imaging (MRI) as Diagnostic Tools. *Journal of Forensic Sciences*, **2004**, 49, 1-8 | 1.8 | 48 |
| 49 | Fructose and galactose enhance postexercise human liver glycogen synthesis. *Medicine and Science in Sports and Exercise*, **2011**, 43, 1964-71 | 1.2 | 45 |
| 48 | Observation and identification of metabolites emerging during postmortem decomposition of brain tissue by means of in situ 1H-magnetic resonance spectroscopy. *Magnetic Resonance in Medicine*, **2002**, 48, 915-20 | 4.4 | 41 |
| 47 | Statistical evaluation of time-dependent metabolite concentrations: estimation of post-mortem intervals based on in situ 1H-MRS of the brain. *NMR in Biomedicine*, **2005**, 18, 163-72 | 4.4 | 41 |
| 46 | Traumatic extra-axial hemorrhage: correlation of postmortem MSCT, MRI, and forensic-pathological findings. *Journal of Magnetic Resonance Imaging*, **2008**, 28, 823-36 | 5.6 | 40 |
| 45 | Dental age estimation of living persons: Comparison of MRI with OPG. *Forensic Science International* , **2015**, 253, 76-80 | 2.6 | 37 |
| 44 | Forensic application of postmortem diffusion-weighted and diffusion tensor MR imaging of the human brain in situ. *American Journal of Neuroradiology*, **2011**, 32, 1518-24 | 4.4 | 36 |
| 43 | Closed-form solution for T2 mapping with nonideal refocusing of slice selective CPMG sequences. *Magnetic Resonance in Medicine*, **2015**, 73, 818-27 | 4.4 | 26 |
| 42 | Estimation of the postmortem interval by means of □H MRS of decomposing brain tissue: influence of ambient temperature. *NMR in Biomedicine*, **2011**, 24, 791-8 | 4.4 | 23 |

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| 41 | Applicability of Greulich-Pyle and Tanner-Whitehouse grading methods to MRI when assessing hand bone age in forensic age estimation: A pilot study. *Forensic Science International*, **2016**, 266, 281-288 | 2.6 | 23 |
| 40 | Cannabinoid concentrations in blood and urine after smoking cannabidiol joints. *Forensic Science International*, **2018**, 291, 62-67 | 2.6 | 22 |
| 39 | Detection and characterization of traumatic scalp injuries for forensic evaluation using computed tomography. *International Journal of Legal Medicine*, **2013**, 127, 195-200 | 3.1 | 22 |
| 38 | Intuitive presentation of clinical forensic data using anonymous and person-specific 3D reference manikins. *Forensic Science International*, **2014**, 241, 155-66 | 2.6 | 19 |
| 37 | Virtopsy: forensic traumatology of the subcutaneous fatty tissue; multislice computed tomography (MSCT) and magnetic resonance imaging (MRI) as diagnostic tools. *Journal of Forensic Sciences*, **2004**, 49, 799-806 | 1.8 | 19 |
| 36 | Quantitative MR imaging in fracture dating--Initial results. *Forensic Science International*, **2016**, 261, 61-9 | 2.6 | 16 |
| 35 | Forensic-case analysis: from 3D imaging to interactive visualization. *IEEE Computer Graphics and Applications*, **2012**, 32, 79-87 | 1.7 | 15 |
| 34 | Distribution pattern of ethyl glucuronide and caffeine concentrations over the scalp of a single person in a forensic context. *Drug Testing and Analysis*, **2017**, 9, 1594-1603 | 3.5 | 14 |
| 33 | A plasma global metabolic profiling approach applied to an exercise study monitoring the effects of glucose, galactose and fructose drinks during post-exercise recovery. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2010**, 878, 3015-23 | 3.2 | 14 |
| 32 | Integrated computer-aided forensic case analysis, presentation, and documentation based on multimodal 3D data. *Forensic Science International*, **2018**, 287, 12-24 | 2.6 | 13 |
| 31 | Can clinical CT data improve forensic reconstruction?. *International Journal of Legal Medicine*, **2013**, 127, 631-8 | 3.1 | 13 |
| 30 | The response of relatives to medicolegal investigations and forensic autopsy. *American Journal of Forensic Medicine and Pathology*, **2002**, 23, 345-8 | 1 | 12 |
| 29 | Age determination of soft tissue hematomas. *NMR in Biomedicine*, **2014**, 27, 1397-402 | 4.4 | 11 |
| 28 | Systematic review on the characterization of chronic traumatic encephalopathy by MRI and MRS. *Journal of Magnetic Resonance Imaging*, **2019**, 49, 212-228 | 5.6 | 11 |
| 27 | Dental age estimation: The chronology of mineralization and eruption of male third molars with 3T MRI. *Forensic Science International*, **2019**, 297, 228-235 | 2.6 | 10 |
| 26 | A massacre of early Neolithic farmers in the high Pyrenees at Els Trocs, Spain. *Scientific Reports*, **2020**, 10, 2131 | 4.9 | 10 |
| 25 | Fulminant cerebral malaria in a Swiss patient. *Infection*, **2005**, 33, 33-5 | 5.8 | 10 |
| 24 | Contrast of artificial subcutaneous hematomas in MRI over time. *International Journal of Legal Medicine*, **2015**, 129, 317-24 | 3.1 | 9 |

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| 23 | Validation of reference data on wisdom tooth mineralization and eruption for forensic age estimation in living persons. *International Journal of Legal Medicine*, **2011**, 125, 707-15 | 3.1 | 8 |
| 22 | Bone age estimation with the Greulich-Pyle atlas using 3T MR images of hand and wrist. *Forensic Science International*, **2021**, 319, 110654 | 2.6 | 8 |
| 21 | A user-friendly technical set-up for infrared photography of forensic findings. *Forensic Science International*, **2017**, 278, 148-155 | 2.6 | 7 |
| 20 | Time-Dependent Changes in T1 during Fracture Healing in Juvenile Rats: A Quantitative MR Approach. *PLoS ONE*, **2016**, 11, e0164284 | 3.7 | 7 |
| 19 | Sample preparation method for the combined extraction of ethyl glucuronide and drugs of abuse in hair. *Drug Testing and Analysis*, **2018**, 10, 701-710 | 3.5 | 6 |
| 18 | Identification of deceased based on sternal bone computed tomography features. *Forensic Science International*, **2018**, 286, 233-238 | 2.6 | 5 |
| 17 | Time related changes of T1, T2, and T2(*)(2) of human blood in vitro. *Forensic Science International*, **2016**, 262, 11-7 | 2.6 | 5 |
| 16 | Distribution pattern of common drugs of abuse, ethyl glucuronide, and benzodiazepines in hair across the scalp. *Drug Testing and Analysis*, **2019**, 11, 1522-1541 | 3.5 | 4 |
| 15 | Assessment of fiducial markers to enable the co-registration of photographs and MRI data. *Forensic Science International*, **2015**, 248, 148-53 | 2.6 | 4 |
| 14 | Consent to forensic radiologic examinations by living crime victims. *International Journal of Legal Medicine*, **2014**, 128, 323-8 | 3.1 | 4 |
| 13 | Assessment of pharmacokinetics for microvessel proliferation by DCE-MRI for early detection of physeal bone bridge formation in an animal model. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2017**, 30, 417-427 | 2.8 | 2 |
| 12 | Analysis of different post mortem assessment methods for cerebral edema. *Forensic Science International*, **2020**, 308, 110164 | 2.6 | 2 |
| 11 | Beyond 9-tetrahydrocannabinol and cannabidiol: chemical differentiation of cannabis varieties applying targeted and untargeted analysis.. *Analytical and Bioanalytical Chemistry*, **2022**, 1 | 4.4 | 2 |
| 10 | Detection and volume estimation of artificial hematomas in the subcutaneous fatty tissue: comparison of different MR sequences at 3.0 T. *Forensic Science, Medicine, and Pathology*, **2017**, 13, 135-144 | 1.5 | 1 |
| 9 | Suizidale Drosselung mittels Kabelbinder. *Rechtsmedizin*, **2017**, 27, 433-437 | 0.6 | 1 |
| 8 | Reproducibility of relaxometry of human lumbar vertebrae at 3 Tesla using H MR spectroscopy. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 153-159 | 5.6 | 1 |
| 7 | Histomorphological assessment of isolated abdominal organs after targeted perfusion with the contrast agent Angiofil in postmortem computed tomography angiography. *Forensic Science International*, **2020**, 315, 110427 | 2.6 | 1 |
| 6 | Sensitivity of fiber orientation dependent to temperature and post mortem interval. *Magnetic Resonance in Medicine*, **2021**, 86, 2703-2715 | 4.4 | 1 |

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| 5 | Which tissue to take? A retrospective study of the identification success of altered human remains. *Journal of Clinical Forensic and Legal Medicine*, **2021**, 84, 102271 | 1.7 | 0 |
| 4 | Development, validation, and application of an LC-MS/MS method for mitragynine and 7-hydroxymitragynine analysis in hair. *Drug Testing and Analysis*, **2020**, 12, 280-284 | 3.5 | 0 |
| 3 | Tissue sample analysis for post mortem determination of brain edema. *Forensic Science International*, **2021**, 323, 110808 | 2.6 | 0 |
| 2 | Determination of time of death by blinded post-mortem interrogation of cardiac implantable electrical devices.. *Scientific Reports*, **2022**, 12, 8199 | 4.9 | 0 |
| 1 | Post mortem brain temperature and its influence on quantitative MRI of the brain. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2021**, 1 | 2.8 | |