

Susan C Shelmerdine

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

1,277
citations

361045

20
h-index

476904

29
g-index

94
all docs

94
docs citations

94
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Ivacaftor in Patients With Cystic Fibrosis Who Carry the G551D Mutation and Have Severe Lung Disease. <i>Chest</i> , 2014, 146, 152-158.	0.4	85
2	Stresses and strains on the human fetal skeleton during development. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170593.	1.5	56
3	Thoracic imaging of coronavirus disease 2019 (COVID-19) in children: a series of 91 cases. <i>Pediatric Radiology</i> , 2020, 50, 1354-1368.	1.1	56
4	Early clinical applications for imaging at microscopic detail: microfocus computed tomography (micro-CT). <i>British Journal of Radiology</i> , 2017, 90, 20170113.	1.0	48
5	Coronavirus disease 2019 (COVID-19) in children: a systematic review of imaging findings. <i>Pediatric Radiology</i> , 2020, 50, 1217-1230.	1.1	47
6	Pearls and Pitfalls in Diagnosing Pediatric Urinary Bladder Masses. <i>Radiographics</i> , 2017, 37, 1872-1891.	1.4	40
7	Filamin A (<i>FLNA</i>) mutation—A newcomer to the childhood interstitial lung disease (ChILD) classification. <i>Pediatric Pulmonology</i> , 2017, 52, 1306-1315.	1.0	40
8	Postmortem microfocus computed tomography for early gestation fetuses: a validation study against conventional autopsy. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, 445.e1-445.e12.	0.7	39
9	Imaging assessment of children presenting with suspected or known juvenile idiopathic arthritis: ESSR-ESPR points to consider. <i>European Radiology</i> , 2020, 30, 5237-5249.	2.3	39
10	Chest radiographs versus CT for the detection of rib fractures in children (DRIFT): a diagnostic accuracy observational study. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 802-811.	2.7	38
11	Review of study reporting guidelines for clinical studies using artificial intelligence in healthcare. <i>BMJ Health and Care Informatics</i> , 2021, 28, e100385.	1.4	35
12	MRI of paediatric liver tumours: How we review and report. <i>Cancer Imaging</i> , 2016, 16, 21.	1.2	32
13	Imaging findings of multisystem inflammatory syndrome in children associated with COVID-19. <i>Pediatric Radiology</i> , 2021, 51, 1608-1620.	1.1	29
14	Liver MR Imaging in Children: Current Concepts and Technique. <i>Radiographics</i> , 2016, 36, 1517-1532.	1.4	28
15	Joint European Society of Paediatric Radiology (ESPR) and International Society for Forensic Radiology and Imaging (ISFRI) guidelines: paediatric postmortem computed tomography imaging protocol. <i>Pediatric Radiology</i> , 2019, 49, 694-701.	1.1	27
16	3D printing from microfocus computed tomography (micro-CT) in human specimens: education and future implications. <i>British Journal of Radiology</i> , 2018, 91, 20180306.	1.0	26
17	Latest developments in postmortem foetal imaging. <i>Prenatal Diagnosis</i> , 2020, 40, 28-37.	1.1	25
18	Postmortem microfocus computed tomography for noninvasive autopsies: experience in >250 human fetuses. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 224, 103.e1-103.e15.	0.7	25

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19	Artificial intelligence in paediatric radiology: Future opportunities. <i>British Journal of Radiology</i> , 2021, 94, 20200975.	1.0	24
20	European Society of Biomechanics S.M. Perren Award 2018: Altered biomechanical stimulation of the developing hip joint in presence of hip dysplasia risk factors. <i>Journal of Biomechanics</i> , 2018, 78, 1-9.	0.9	23
21	Is traditional perinatal autopsy needed after detailed fetal ultrasound and post-mortem MRI?. <i>Prenatal Diagnosis</i> , 2019, 39, 818-829.	1.1	23
22	Postmortem examination of human fetuses: comparison of two-dimensional ultrasound with invasive autopsy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 53, 229-238.	0.9	22
23	Minimally invasive perinatal and pediatric autopsy with laparoscopically assisted tissue sampling: feasibility and experience of the MinmAL procedure. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 54, 661-669.	0.9	20
24	Management strategies for children with COVID-19: ESPR practical recommendations. <i>Pediatric Radiology</i> , 2020, 50, 1313-1323.	1.1	19
25	Imaging of the hip in juvenile idiopathic arthritis. <i>Pediatric Radiology</i> , 2018, 48, 811-817.	1.1	18
26	Diagnostic assessment of foetal brain malformations with intra-uterine MRI versus perinatal post-mortem MRI. <i>Neuroradiology</i> , 2019, 61, 921-934.	1.1	18
27	Gender discrepancy in research activities during radiology residency. <i>Insights Into Imaging</i> , 2019, 10, 125.	1.6	18
28	Presentation to publication: proportion of abstracts published for ESPR, SPR and IPR. <i>Pediatric Radiology</i> , 2016, 46, 1371-1377.	1.1	17
29	Human fetal whole-body postmortem microfocus computed tomographic imaging. <i>Nature Protocols</i> , 2021, 16, 2594-2614.	5.5	15
30	Bone age for chronological age determination – statement of the European Society of Paediatric Radiology musculoskeletal task force group. <i>Pediatric Radiology</i> , 2019, 49, 979-982.	1.1	14
31	Post-mortem magnetic resonance (PMMR) imaging of the brain in fetuses and children with histopathological correlation. <i>Clinical Radiology</i> , 2017, 72, 1025-1037.	0.5	12
32	Novel usage of microfocus computed tomography (micro-CT) for visualisation of human embryonic development – implications for future non-invasive post-mortem investigation. <i>Prenatal Diagnosis</i> , 2018, 38, 538-542.	1.1	12
33	Perinatal post mortem ultrasound (PMUS): a practical approach. <i>Insights Into Imaging</i> , 2019, 10, 35.	1.6	12
34	Diagnostic Accuracy of Postmortem CT of Children: A Retrospective Single-Center Study. <i>American Journal of Roentgenology</i> , 2019, 212, 1335-1347.	1.0	12
35	Feasibility of INTACT (INCisionless TArgeted Core Tissue) biopsy procedure for perinatal autopsy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020, 55, 667-675.	0.9	12
36	Achondroplasia: Really rhizomelic?. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 2039-2043.	0.7	11

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37	The use of whole body diffusion-weighted post-mortem magnetic resonance imaging in timing of perinatal deaths. <i>International Journal of Legal Medicine</i> , 2018, 132, 1735-1741.	1.2	11
38	Perinatal post-mortem ultrasound (PMUS): radiological-pathological correlation. <i>Insights Into Imaging</i> , 2019, 10, 81.	1.6	10
39	Automated data extraction and report analysis in computer-aided radiology audit: practice implications from post-mortem paediatric imaging. <i>Clinical Radiology</i> , 2019, 74, 733.e11-733.e18.	0.5	10
40	Artificial intelligence in paediatric radiology: international survey of health care professionalsâ€™ opinions. <i>Pediatric Radiology</i> , 2022, 52, 30-41.	1.1	10
41	Post-Mortem Magnetic Resonance Imaging Appearances of Feticide in Perinatal Deaths. <i>Fetal Diagnosis and Therapy</i> , 2019, 45, 221-229.	0.6	9
42	Management of ovarian lesions diagnosed during infancy. <i>Journal of Pediatric Surgery</i> , 2019, 54, 955-958.	0.8	9
43	Maceration determines diagnostic yield of fetal and neonatal whole body post-mortem ultrasound. <i>Prenatal Diagnosis</i> , 2020, 40, 232-243.	1.1	9
44	Investigation of optimal sample preparation conditions with potassium triiodide and optimal imaging settings for microfocus computed tomography of excised cat hearts. <i>American Journal of Veterinary Research</i> , 2020, 81, 326-333.	0.3	9
45	Diagnostic accuracy of postmortem ultrasound <i>vs</i> postmortem 1.5â€MRI for non-invasive perinatal autopsy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 449-458.	0.9	9
46	Discrete Choice Experiment on a Magnetic Resonance Imaging Scoring System for Temporomandibular Joints in Juvenile Idiopathic Arthritis. <i>Arthritis Care and Research</i> , 2022, 74, 308-316.	1.5	9
47	Artificial intelligence for radiological paediatric fracture assessment: a systematic review. <i>Insights Into Imaging</i> , 2022, 13, .	1.6	9
48	A novel radiographic scoring system for growth abnormalities and structural change in children with juvenile idiopathic arthritis of the hip. <i>Pediatric Radiology</i> , 2018, 48, 1086-1095.	1.1	8
49	Micro-CT yields high image quality in human fetal post-mortem imaging despite maceration. <i>BMC Medical Imaging</i> , 2021, 21, 128.	1.4	8
50	Emergency imaging in paediatric oncology: a pictorial review. <i>Insights Into Imaging</i> , 2019, 10, 120.	1.6	8
51	Artificial intelligence applied to fetal MRI: A scoping review of current research. <i>British Journal of Radiology</i> , 2022, , 20211205.	1.0	8
52	Abdominal US in Pediatric Inflammatory Multisystem Syndrome Associated with SARS-CoV-2 (PIMS-TS). <i>Radiology</i> , 2022, 303, 173-181.	3.6	8
53	Imaging of late complications of cancer therapy in children. <i>Pediatric Radiology</i> , 2017, 47, 254-266.	1.1	7
54	British Neuropathological Society and International Society of Forensic Radiology and Imaging expert consensus statement for <i>post mortem</i> neurological imaging. <i>Neuropathology and Applied Neurobiology</i> , 2018, 44, 663-672.	1.8	7

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55	Finite element modelling of the developing infant femur using paired CT and MRI scans. PLoS ONE, 2019, 14, e0218268.	1.1	7
56	An alternative approach to contrast-enhanced imaging: diffusion-weighted imaging and T1-weighted imaging identifies and quantifies necrosis in Wilms tumour. European Radiology, 2019, 29, 4141-4149.	2.3	7
57	A pragmatic evidence-based approach to post-mortem perinatal imaging. Insights Into Imaging, 2021, 12, 101.	1.6	7
58	Who are we missing? Too few skeletal surveys for children with humeral and femoral fractures. Clinical Radiology, 2014, 69, e512-e516.	0.5	6
59	Diagnostic accuracy of perinatal post-mortem ultrasound (PMUS): a systematic review. BMJ Paediatrics Open, 2019, 3, e000566.	0.6	6
60	Artificial intelligence reporting guidelines: what the pediatric radiologist needs to know. Pediatric Radiology, 2022, 52, 2101-2110.	1.1	6
61	Current state of perinatal postmortem magnetic resonance imaging: European Society of Paediatric Radiology questionnaire-based survey and recommendations. Pediatric Radiology, 2021, 51, 792-799.	1.1	6
62	Postmortem image-guided biopsy for less-invasive diagnosis of congenital intracranial teratoma. Ultrasound in Obstetrics and Gynecology, 2015, 46, 741-743.	0.9	5
63	Rib Fractures in Osteogenesis Imperfecta. Journal of Pediatric Orthopaedics, 2015, 35, e81.	0.6	5
64	Characterization of Bardet-Biedl syndrome by postmortem microfocus computed tomography (micro-CT). Ultrasound in Obstetrics and Gynecology, 2019, 53, 132-134.	0.9	5
65	Micro-CT of tracheal stenosis in trisomy 21. Thorax, 2019, 74, 419-420.	2.7	5
66	Impact of the COVID-19 pandemic on radiology appointments in a tertiary children's hospital: a retrospective study. BMJ Paediatrics Open, 2021, 5, e001210.	0.6	5
67	Post-mortem perinatal imaging: what is the evidence?. British Journal of Radiology, 2022, , 20211078.	1.0	5
68	Delays and errors in abnormal chest radiograph follow-up: a systems approach to promoting patient safety in radiology. Journal of Evaluation in Clinical Practice, 2014, 20, 453-459.	0.9	4
69	Value of additional lateral radiographs in paediatric skeletal surveys for suspected physical abuse. Clinical Radiology, 2022, 77, e40-e47.	0.5	4
70	High resolution isotropic diffusion imaging in post-mortem neonates: a feasibility study. British Journal of Radiology, 2018, 91, 20180319.	1.0	3
71	Feasibility of Postmortem Imaging Assessment of Brain: Liver Volume Ratios with Pathological Validation. Fetal Diagnosis and Therapy, 2019, 46, 360-367.	0.6	2
72	Ligamentum arteriosum calcification on paediatric postmortem computed tomography. Pediatric Radiology, 2021, 51, 385-391.	1.1	2

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73	Three-dimensional cinematic rendering of fetal skeletal dysplasia using postmortem computed tomography. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 57, 659-660.	0.9	2
74	Transarterial catheter embolisation for an unusual cause of upper gastrointestinal haemorrhage. <i>BMJ Case Reports</i> , 2015, 2015, bcr2014206837-bcr2014206837.	0.2	2
75	Presentation to publication: Changes in paediatric radiology research trends 2010-2016. <i>Pediatric Radiology</i> , 2022, 52, 2538-2548.	1.1	2
76	Re: use of Osirix in developing a digital radiology teaching library. <i>Clinical Radiology</i> , 2015, 70, 221.	0.5	1
77	Smartphone applications in paediatric radiology: availability and authority. <i>Pediatric Radiology</i> , 2015, 45, 1293-1302.	1.1	1
78	Neonatal Autopsy: A 21st Century Approach?. <i>Neonatology</i> , 2019, 115, 275-276.	0.9	1
79	The skeletal effects of congenital syphilis: the case of Parrot's bones. <i>Medical History</i> , 2020, 64, 467-477.	0.1	1
80	Three-dimensional versus two-dimensional postmortem ultrasound: feasibility in perinatal death investigation. <i>Pediatric Radiology</i> , 2021, 51, 1259-1266.	1.1	1
81	Micro-CT Imaging of Pediatric Thyroglossal Duct Cysts: A Prospective Case Series. <i>Frontiers in Pediatrics</i> , 2021, 9, 746010.	0.9	1
82	Lateral plain radiograph of the cervical spine. <i>BMJ</i> , The, 2012, 345, e6770-e6770.	3.0	0
83	Sagittal computed tomography of the sellar region. <i>BMJ</i> , The, 2012, 345, e6769-e6769.	3.0	0
84	Reply regarding "Presentation to publication: institutional and individual factors". <i>Pediatric Radiology</i> , 2017, 47, 247-248.	1.1	0
85	The significance of internal calcifications on perinatal post-mortem radiographs. <i>Clinical Radiology</i> , 2020, 75, 561.e25-561.e34.	0.5	0
86	Multiparametric mapping in post-mortem perinatal MRI: a feasibility study. <i>British Journal of Radiology</i> , 2020, 93, 20190952.	1.0	0
87	Finding the right home for your radiology article: a useful tool. <i>Clinical Radiology</i> , 2021, 76, 938-939.	0.5	0
88	Micro-CT imaging of congenital high airway obstruction syndrome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2022, 59, 687-689.	0.9	0
89	An infraumbilical lump in a child. <i>Emergency Medicine Journal</i> , 2016, 33, 683-683.	0.4	0
90	Cinematic rendering of paediatric musculoskeletal pathologies: initial experiences with CT. <i>Clinical Radiology</i> , 2022, 77, 274-282.	0.5	0

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91	Re: value of additional lateral radiographs in paediatric skeletal surveys for suspected physical abuse. A reply. <i>Clinical Radiology</i> , 2022, , .	0.5	0
92	European Society of Paediatric Radiology Artificial Intelligence taskforce: a new taskforce for the digital age. <i>Pediatric Radiology</i> , 0, , .	1.1	0