

# Nigel G Anderson

## List of Publications by Year in descending order

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50  
papers

1,702  
citations

236925

25  
h-index

276875

41  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual- and multi-energy CT: approach to functional imaging. Insights Into Imaging, 2011, 2, 149-159.	3.4	155
2	Spectroscopic (multi-energy) CT distinguishes iodine and barium contrast material in MICE. European Radiology, 2010, 20, 2126-2134.	4.5	143
3	Detection of obstructive uropathy in the fetus: predictive value of sonographic measurements of renal pelvic diameter at various gestational ages.. American Journal of Roentgenology, 1995, 164, 719-723.	2.2	92
4	Detection of Impaired Growth of the Corpus Callosum in Premature Infants. Pediatrics, 2006, 118, 951-960.	2.1	81
5	Toward quantifying the composition of soft tissues by spectral CT with Medipix3. Medical Physics, 2012, 39, 6847-6857.	3.0	68
6	Prenatal sonography for the detection of fetal anomalies: results of a prospective study and comparison with prior series.. American Journal of Roentgenology, 1995, 165, 943-950.	2.2	65
7	Energy Calibration of the Pixels of Spectral X-ray Detectors. IEEE Transactions on Medical Imaging, 2015, 34, 697-706.	8.9	62
8	Vesicoureteric reflux in the newborn: relationship to fetal renal pelvic diameter. Pediatric Nephrology, 1997, 11, 610-616.	1.7	57
9	Contrast agent recognition in small animal CT using the Medipix2 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 179-182.	1.6	56
10	Spectral CT of carotid atherosclerotic plaque: comparison with histology. European Radiology, 2012, 22, 2581-2588.	4.5	54
11	Clinical applications of spectral molecular imaging: potential and challenges. Contrast Media and Molecular Imaging, 2014, 9, 3-12.	0.8	54
12	Diagnosis of obstructive hydronephrosis in infants: comparison sonograms performed 6 days and 6 weeks after birth.. American Journal of Roentgenology, 1995, 164, 963-967.	2.2	44
13	Outcome of primary vesicoureteric reflux detected following fetal renal pelvic dilatation. Journal of Paediatrics and Child Health, 2000, 36, 569-573.	0.8	44
14	Quantitative imaging of excised osteoarthritic cartilage using spectral CT. European Radiology, 2017, 27, 384-392.	4.5	42
15	Growth rate of corpus callosum in very premature infants. American Journal of Neuroradiology, 2005, 26, 2685-90.	2.4	42
16	Diastematomyelia: diagnosis by prenatal sonography.. American Journal of Roentgenology, 1994, 163, 911-914.	2.2	39
17	Discrimination Between Calcium Hydroxyapatite and Calcium Oxalate Using Multienergy Spectral Photon-Counting CT. American Journal of Roentgenology, 2017, 209, 1088-1092.	2.2	36
18	Prognostic significance of nonvisualization of the fetal stomach by sonography.. American Journal of Roentgenology, 1993, 160, 827-830.	2.2	35

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19	Colonoscopically detected colorectal cancer missed on barium enema. <i>Gastrointestinal Radiology</i> , 1991, 16, 123-127.	0.4	34
20	Reducing beam hardening effects and metal artefacts in spectral CT using Medipix3RX. <i>Journal of Instrumentation</i> , 2014, 9, P03015-P03015.	1.2	33
21	Distal Ureteral Calculi: US Follow-up. <i>Radiology</i> , 2011, 260, 575-580.	7.3	30
22	Prognosis in Fetal Cystic Hygroma. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1992, 32, 36-39.	1.0	28
23	Prenatal diagnosis of colon atresia. <i>Pediatric Radiology</i> , 1993, 23, 63-64.	2.0	27
24	Fluctuating fetal or neonatal renal pelvis: marker of high-grade vesicoureteral reflux. <i>Pediatric Nephrology</i> , 2004, 19, 749-753.	1.7	26
25	A limited range of measures of 2-d ultrasound correlate with 3-d mri cerebral volumes in the premature infant at term. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 11-18.	1.5	25
26	MARS-MD: rejection based image domain material decomposition. <i>Journal of Instrumentation</i> , 2018, 13, P05020-P05020.	1.2	24
27	Diagnosis of intraventricular hemorrhage in the newborn: value of sonography via the posterior fontanelle.. <i>American Journal of Roentgenology</i> , 1994, 163, 893-896.	2.2	23
28	Placental Compressibility. <i>Obstetrics and Gynecology</i> , 1992, 79, 398-402.	2.4	22
29	Computed tomography provides enhanced techniques for longitudinal monitoring of progressive intracranial volume loss associated with regional neurodegeneration in ovine neuronal ceroid lipofuscinoses. <i>Brain and Behavior</i> , 2018, 8, e01096.	2.2	22
30	Comparison of echo-enhanced ultrasound with fluoroscopic MCU for the detection of vesicoureteral reflux in neonates. <i>Pediatric Radiology</i> , 2002, 32, 853-858.	2.0	21
31	Spectral Photon-Counting Molecular Imaging for Quantification of Monoclonal Antibody-Conjugated Gold Nanoparticles Targeted to Lymphoma and Breast Cancer: An <i>In Vitro</i> Study. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-9.	0.8	20
32	Processing of spectral X-ray data with principal components analysis. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 633, S140-S142.	1.6	19
33	Prenatal diagnosis of unilateral hydrocephalus. <i>Pediatric Radiology</i> , 1993, 23, 69-70.	2.0	18
34	Cerebellar vermis diameter at cranial sonography for assessing gestational age in low-birth-weight infants. <i>Pediatric Radiology</i> , 1999, 29, 589-594.	2.0	18
35	Induced macrophage activation in live excised atherosclerotic plaque. <i>Immunobiology</i> , 2018, 223, 526-535.	1.9	18
36	Management in children of mild postnatal renal dilatation but without vesicoureteral reflux. <i>Pediatric Nephrology</i> , 2010, 25, 477-483.	1.7	17

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37	Fetal renal pelvic dilatation?poor predictor of familial vesicoureteral reflux. Pediatric Nephrology, 2003, 18, 902-905.	1.7	16
38	Simple adrenal cysts in fetus, resolving spontaneously in neonate.. Journal of Ultrasound in Medicine, 1991, 10, 521-524.	1.7	15
39	Posterior fontanelle cranial ultrasound: anatomic and sonographic correlation. Early Human Development, 1995, 42, 141-152.	1.8	15
40	Normal size left ventricle on antenatal scan in lethal hypoplastic left heart syndrome. Pediatric Radiology, 1991, 21, 436-437.	2.0	14
41	Measuring Identification and Quantification Errors in Spectral CT Material Decomposition. Applied Sciences (Switzerland), 2018, 8, 467.	2.5	13
42	Assessment of Material Identification Errors, Image Quality, and Radiation Doses Using Small Animal Spectral Photon-Counting CT. IEEE Transactions on Radiation and Plasma Medical Sciences, 2021, 5, 578-587.	3.7	8
43	Spectral CT imaging of human osteoarthritic cartilage via quantitative assessment of glycosaminoglycan content using multiple contrast agents. APL Bioengineering, 2021, 5, 026101.	6.2	8
44	Cerebellar vermis measurement at cranial sonography for assessing gestational age in the newborn weighing less than 2000 grams. Early Human Development, 1996, 44, 59-70.	1.8	7
45	Ulnar club-hand and constriction-ring syndrome. Pediatric Radiology, 1995, 25, 233-234.	2.0	5
46	Clinical utility of magnetic resonance imaging and the preoperative identification of low risk endometrial cancer. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2004, 44, 419-422.	1.0	4
47	Cancer Imaging with Nanoparticles Using MARS Spectral Scanner. , 2018, , .		2
48	Pilot Study to Confirm that Fat and Liver can be Distinguished by Spectroscopic Tissue Response on a Medipixâ€Allâ€Resolution Systemâ€CT (MARSâ€CT). , 2009, , .		1
49	Efficacy of Fetal Part Elevation to Visualise Internal Cervical Os. Journal of Medical Imaging and Radiation Oncology, 1992, 36, 110-111.	0.6	0
50	Multi-energy spectral photon-counting CT in crystal-related arthropathies: initial experience and diagnostic performance in vitro. , 2018, , .		0