

# 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	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
2	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
3	Induced macrophage activation in live excised atherosclerotic plaque. Immunobiology, 2018, 223, 526-535.	1.9	18
4	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. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.8	20
5	MARS-MD: rejection based image domain material decomposition. Journal of Instrumentation, 2018, 13, P05020-P05020.	1.2	24
6	Measuring Identification and Quantification Errors in Spectral CT Material Decomposition. Applied Sciences (Switzerland), 2018, 8, 467.	2.5	13
7	Computed tomography provides enhanced techniques for longitudinal monitoring of progressive intracranial volume loss associated with regional neurodegeneration in ovine neuronal ceroid lipofuscinoses. Brain and Behavior, 2018, 8, e01096.	2.2	22
8	Cancer Imaging with Nanoparticles Using MARS Spectral Scanner. , 2018, , .		2
9	Multi-energy spectral photon-counting CT in crystal-related arthropathies: initial experience and diagnostic performance in vitro. , 2018, , .		0
10	Quantitative imaging of excised osteoarthritic cartilage using spectral CT. European Radiology, 2017, 27, 384-392.	4.5	42
11	Discrimination Between Calcium Hydroxyapatite and Calcium Oxalate Using Multienergy Spectral Photon-Counting CT. American Journal of Roentgenology, 2017, 209, 1088-1092.	2.2	36
12	Energy Calibration of the Pixels of Spectral X-ray Detectors. IEEE Transactions on Medical Imaging, 2015, 34, 697-706.	8.9	62
13	Clinical applications of spectral molecular imaging: potential and challenges. Contrast Media and Molecular Imaging, 2014, 9, 3-12.	0.8	54
14	Reducing beam hardening effects and metal artefacts in spectral CT using Medipix3RX. Journal of Instrumentation, 2014, 9, P03015-P03015.	1.2	33
15	Spectral CT of carotid atherosclerotic plaque: comparison with histology. European Radiology, 2012, 22, 2581-2588.	4.5	54
16	Toward quantifying the composition of soft tissues by spectral CT with Medipix3. Medical Physics, 2012, 39, 6847-6857.	3.0	68
17	Dual- and multi-energy CT: approach to functional imaging. Insights Into Imaging, 2011, 2, 149-159.	3.4	155
18	Processing of spectral X-ray data with principal components analysis. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S140-S142.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Distal Ureteral Calculi: US Follow-up. Radiology, 2011, 260, 575-580.	7.3	30
20	Spectroscopic (multi-energy) CT distinguishes iodine and barium contrast material in MICE. European Radiology, 2010, 20, 2126-2134.	4.5	143
21	Management in children of mild postnatal renal dilatation but without vesicoureteral reflux. Pediatric Nephrology, 2010, 25, 477-483.	1.7	17
22	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
23	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
24	Detection of Impaired Growth of the Corpus Callosum in Premature Infants. Pediatrics, 2006, 118, 951-960.	2.1	81
25	Growth rate of corpus callosum in very premature infants. American Journal of Neuroradiology, 2005, 26, 2685-90.	2.4	42
26	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
27	Fluctuating fetal or neonatal renal pelvis: marker of high-grade vesicoureteral reflux. Pediatric Nephrology, 2004, 19, 749-753.	1.7	26
28	A limited range of measures of 2-d ultrasound correlate with 3-d mri cerebral volumes in the premature infant at term. Ultrasound in Medicine and Biology, 2004, 30, 11-18.	1.5	25
29	Fetal renal pelvic dilatation?poor predictor of familial vesicoureteral reflux. Pediatric Nephrology, 2003, 18, 902-905.	1.7	16
30	Comparison of echo-enhanced ultrasound with fluoroscopic MCU for the detection of vesicoureteral reflux in neonates. Pediatric Radiology, 2002, 32, 853-858.	2.0	21
31	Outcome of primary vesicoureteric reflux detected following fetal renal pelvic dilatation. Journal of Paediatrics and Child Health, 2000, 36, 569-573.	0.8	44
32	Cerebellar vermis diameter at cranial sonography for assessing gestational age in low-birth-weight infants. Pediatric Radiology, 1999, 29, 589-594.	2.0	18
33	Vesicoureteric reflux in the newborn: relationship to fetal renal pelvic diameter. Pediatric Nephrology, 1997, 11, 610-616.	1.7	57
34	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
35	Ulnar club-hand and constriction-ring syndrome. Pediatric Radiology, 1995, 25, 233-234.	2.0	5
36	Posterior fontanelle cranial ultrasound: anatomic and sonographic correlation. Early Human Development, 1995, 42, 141-152.	1.8	15

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37	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
38	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
39	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
40	Diagnosis of intraventricular hemorrhage in the newborn: value of sonography via the posterior fontanelle.. American Journal of Roentgenology, 1994, 163, 893-896.	2.2	23
41	Diastematomyelia: diagnosis by prenatal sonography.. American Journal of Roentgenology, 1994, 163, 911-914.	2.2	39
42	Prenatal diagnosis of colon atresia. Pediatric Radiology, 1993, 23, 63-64.	2.0	27
43	Prenatal diagnosis of unilateral hydrocephalus. Pediatric Radiology, 1993, 23, 69-70.	2.0	18
44	Prognostic significance of nonvisualization of the fetal stomach by sonography.. American Journal of Roentgenology, 1993, 160, 827-830.	2.2	35
45	Efficacy of Fetal Part Elevation to Visualise Internal Cervical Os. Journal of Medical Imaging and Radiation Oncology, 1992, 36, 110-111.	0.6	0
46	Placental Compressibility. Obstetrics and Gynecology, 1992, 79, 398-402.	2.4	22
47	Prognosis in Fetal Cystic Hygroma. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1992, 32, 36-39.	1.0	28
48	Simple adrenal cysts in fetus, resolving spontaneously in neonate.. Journal of Ultrasound in Medicine, 1991, 10, 521-524.	1.7	15
49	Normal size left ventricle on antenatal scan in lethal hypoplastic left heart syndrome. Pediatric Radiology, 1991, 21, 436-437.	2.0	14
50	Colonoscopically detected colorectal cancer missed on barium enema. Gastrointestinal Radiology, 1991, 16, 123-127.	0.4	34