

Mohamed Abou El-Ghar

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130
papers

2,133
citations

25
h-index

39
g-index

141
ext. papers

2,595
ext. citations

3.4
avg, IF

4.7
L-index

#	Paper	IF	Citations
130	Models and methods for analyzing DCE-MRI: a review. <i>Medical Physics</i> , 2014 , 41, 124301	4.4	150
129	Bladder tumour staging: comparison of diffusion- and T2-weighted MR imaging. <i>European Radiology</i> , 2009 , 19, 1575-81	8	122
128	Bladder cancer: diagnosis with diffusion-weighted MR imaging in patients with gross hematuria. <i>Radiology</i> , 2009 , 251, 415-21	20.5	86
127	Precise segmentation of 3-D magnetic resonance angiography. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2019-29	5	79
126	Accurate Lungs Segmentation on CT Chest Images by Adaptive Appearance-Guided Shape Modeling. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 263-276	11.7	67
125	Magnetic resonance urethrography in comparison to retrograde urethrography in diagnosis of male urethral strictures: is it clinically relevant?. <i>European Urology</i> , 2006 , 50, 587-93; discussion 594	10.2	48
124	Role of diffusion-weighted MRI in diagnosis of acute renal allograft dysfunction: a prospective preliminary study. <i>British Journal of Radiology</i> , 2012 , 85, e206-11	3.4	45
123	Dynamic contrast-enhanced MRI-based early detection of acute renal transplant rejection. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1910-27	11.7	42
122	Nonoperative management of grade 5 renal injury in children: does it have a place?. <i>European Urology</i> , 2010 , 57, 154-61	10.2	41
121	Contrast enhanced spiral computerized tomography in live kidney donors: a single session for anatomical and functional assessment. <i>Journal of Urology</i> , 2004 , 171, 31-4	2.5	41
120	Diagnosis of ureteral obstruction in patients with compromised renal function: the role of noninvasive imaging modalities. <i>Journal of Urology</i> , 2004 , 171, 2303-6	2.5	40
119	A comprehensive non-invasive framework for automated evaluation of acute renal transplant rejection using DCE-MRI. <i>NMR in Biomedicine</i> , 2013 , 26, 1460-70	4.4	38
118	3D shape analysis for early diagnosis of malignant lung nodules. <i>Lecture Notes in Computer Science</i> , 2011 , 22, 772-83	0.9	38
117	Deep Learning Role in Early Diagnosis of Prostate Cancer. <i>Technology in Cancer Research and Treatment</i> , 2018 , 17, 1533034618775530	2.7	38
116	Diffusion-weighted magnetic resonance imaging in follow-up of superficial urinary bladder carcinoma after transurethral resection: initial experience. <i>BJU International</i> , 2012 , 110, E622-7	5.6	37
115	Diffusion-weighted MR imaging in diagnosis of superficial and invasive urinary bladder carcinoma: a preliminary prospective study. <i>Scientific World Journal, The</i> , 2008 , 8, 364-70	2.2	36
114	Kidney stone size and hounsfield units predict successful shockwave lithotripsy in children. <i>Urology</i> , 2013 , 81, 880-4	1.6	35

113	A Novel CNN-Based CAD System for Early Assessment of Transplanted Kidney Dysfunction. <i>Scientific Reports</i> , 2019 , 9, 5948	4.9	33
112	3D kidney segmentation from abdominal diffusion MRI using an appearance-guided deformable boundary. <i>PLoS ONE</i> , 2018 , 13, e0200082	3.7	33
111	Automatic analysis of 3D low dose CT images for early diagnosis of lung cancer. <i>Pattern Recognition</i> , 2009 , 42, 1041-1051	7.7	32
110	Multidetector computed tomography: role in determination of urinary stones composition and disintegration with extracorporeal shock wave lithotripsy--an in vitro study. <i>Urology</i> , 2011 , 77, 286-90	1.6	31
109	Contrast enhanced spiral computerized tomography in patients with chronic obstructive uropathy and normal serum creatinine: a single session for anatomical and functional assessment. <i>Journal of Urology</i> , 2004 , 172, 985-8	2.5	30
108	Towards non-invasive diagnostic techniques for early detection of acute renal transplant rejection: A review. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2017 , 48, 257-269	1.4	29
107	Late renal functional and morphological evaluation after non-operative treatment of high-grade renal injuries in children. <i>BJU International</i> , 2004 , 93, 1053-6	5.6	28
106	MR urethrogram versus combined retrograde urethrogram and sonourethrography in diagnosis of urethral stricture. <i>European Journal of Radiology</i> , 2010 , 74, e193-8	4.7	25
105	Computer-Aided Diagnostic System for Early Detection of Acute Renal Transplant Rejection Using Diffusion-Weighted MRI. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 539-552	5	23
104	Magnetic resonance imaging as a sole method for the morphological and functional evaluation of live kidney donors. <i>BJU International</i> , 2005 , 96, 111-6	5.6	23
103	Transurethral resection of ejaculatory duct in infertile men: outcome and predictors of success. <i>International Urology and Nephrology</i> , 2012 , 44, 1623-30	2.3	22
102	Are there long-term effects of extracorporeal shockwave lithotripsy in paediatric patients?. <i>BJU International</i> , 2013 , 111, 666-71	5.6	21
101	A level set-based framework for 3D kidney segmentation from diffusion MR images 2015 ,		21
100	False penile fracture: value of different diagnostic approaches and long-term outcome of conservative and surgical management. <i>Urology</i> , 2010 , 75, 1353-6	1.6	20
99	Role of multiphasic helical computed tomography in planning surgical treatment for pelvi-ureteric junction obstruction. <i>BJU International</i> , 2004 , 94, 582-7	5.6	20
98	Predictors of success after extracorporeal shock wave lithotripsy (ESWL) for renal calculi between 20-30 mm: a multivariate analysis model. <i>Scientific World Journal, The</i> , 2006 , 6, 2388-95	2.2	19
97	In-vitro and in-vivo diagnostic techniques for prostate cancer: a review. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 2747-77	4	18
96	Automatic Detection of 2D and 3D Lung Nodules in Chest Spiral CT Scans. <i>International Journal of Biomedical Imaging</i> , 2013 , 2013, 517632	5.2	18

95	A comprehensive non-invasive framework for diagnosing prostate cancer. <i>Computers in Biology and Medicine</i> , 2017 , 81, 148-158	7	17
94	A novel framework for automatic segmentation of kidney from DW-MRI 2015 ,		17
93	Radiological diagnosis of vesicouterine fistula: role of magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012 , 36, 438-42	5.6	17
92	Elastic phantoms generated by microfluidics technology: validation of an imaged-based approach for accurate measurement of the growth rate of lung nodules. <i>Biotechnology Journal</i> , 2011 , 6, 195-203	5.6	17
91	2011 ,		17
90	Risk factors of erectile dysfunction and penile vascular changes after surgical repair of penile fracture. <i>International Journal of Impotence Research</i> , 2012 , 24, 20-5	2.3	17
89	A Kidney Segmentation Framework for Dynamic Contrast Enhanced Magnetic Resonance Imaging. <i>JVC/Journal of Vibration and Control</i> , 2007 , 13, 1505-1516	2	17
88	Extracorporeal shock-wave lithotripsy monotherapy of partial staghorn calculi. Prognostic factors and long-term results. <i>Scandinavian Journal of Urology and Nephrology</i> , 2006 , 40, 320-5		17
87	A new CNN-based system for early diagnosis of prostate cancer 2018 ,		16
86	Shape-Appearance Guided Level-Set Deformable Model for Image Segmentation 2010 ,		16
85	Magnetic resonance imaging in the evaluation of pelvi-ureteric junction obstruction: an all-in-one approach. <i>BJU International</i> , 2007 , 99, 641-5	5.6	16
84	A Framework for Automatic Segmentation of Lung Nodules from Low Dose Chest CT Scans 2006 ,		16
83	Giant seminal vesicle cyst causing ipsilateral hydronephrosis with contralateral renal agenesis. <i>Urology</i> , 2012 , 79, e17-8	1.6	15
82	Evaluation of a synchronous twin-pulse technique for shock wave lithotripsy: a prospective randomized study of effectiveness and safety in comparison to standard single-pulse technique. <i>BJU International</i> , 2008 , 101, 1420-6	5.6	15
81	2007 ,		15
80	Quantitative nodule detection in low dose chest CT scans: new template modeling and evaluation for CAD system design. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 720-8	0.9	15
79	A diffusion-weighted imaging based diagnostic system for early detection of prostate cancer. <i>Journal of Biomedical Science and Engineering</i> , 2013 , 06, 346-356	0.7	15
78	Statistical analysis of ADCs and clinical biomarkers in detecting acute renal transplant rejection. <i>British Journal of Radiology</i> , 2017 , 90, 20170125	3.4	14

77	Long-term functional and morphological outcome after pyeloplasty for huge renal pelvis. <i>BJU International</i> , 2011 , 107, 829-833	5.6	13
76	Computer-aided diagnostic tool for early detection of prostate cancer 2016 ,		13
75	DWI-MRI: single, informative, and noninvasive technique for prostate cancer diagnosis. <i>Scientific World Journal, The</i> , 2012 , 2012, 973450	2.2	12
74	Appearance analysis for diagnosing malignant lung nodules 2010 ,		12
73	2016 ,		12
72	MRI in patients with chronic obstructive uropathy and compromised renal function: a sole method for morphological and functional assessment. <i>British Journal of Radiology</i> , 2008 , 81, 624-9	3.4	11
71	3D diffusion MRI-based CAD system for early diagnosis of acute renal rejection 2016 ,		11
70	Adrenal tumors with venous thrombosis: a single-institution experience. <i>Urologia Internationalis</i> , 2011 , 87, 182-5	1.9	10
69	A kidney segmentation approach from DCE-MRI using level sets 2008 ,		10
68	3D shape analysis for early diagnosis of malignant lung nodules. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 175-82	0.9	10
67	Chemoprophylaxis during transrectal prostate needle biopsy: critical analysis through randomized clinical trial. <i>World Journal of Urology</i> , 2018 , 36, 1845-1852	4	9
66	Low-dose unenhanced computed tomography for diagnosing stone disease in obese patients. <i>Arab Journal of Urology Arab Association of Urology</i> , 2012 , 10, 279-83	1.7	9
65	Early assessment of malignant lung nodules based on the spatial analysis of detected lung nodules 2012 ,		9
64	Characterization of solid renal masses using 64-slice multidetector CT scanner. <i>Scientific World Journal, The</i> , 2009 , 9, 441-8	2.2	9
63	Ectopic insertion of the ureter into the seminal vesicle. <i>World Journal of Radiology</i> , 2013 , 5, 349-51	2.9	9
62	Role of AI and Histopathological Images in Detecting Prostate Cancer: A Survey. <i>Sensors</i> , 2021 , 21,	3.8	9
61	A new NMF-autoencoder based CAD system for early diagnosis of prostate cancer 2016 ,		8
60	Appearance-based diagnostic system for early assessment of malignant lung nodules 2012 ,		8

59	Anatomic predictors of formation of lower caliceal calculi: is it the time for three-dimensional computed tomography urography?. <i>Journal of Endourology</i> , 2008 , 22, 2175-9	2.7	8
58	Use of magnetic resonance angiography in diagnosis and decision making of post-traumatic, high-flow priapism. <i>Scientific World Journal, The</i> , 2008 , 8, 176-81	2.2	8
57	A Novel Approach for Automatic Follow-Up of Detected Lung Nodules 2007 ,		8
56	Toward early diagnosis of lung cancer. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 682-9	0.9	8
55	An ISO-surfaces based local deformation handling framework of lung tissues 2016 ,		8
54	Dynamic Contrast-Enhanced Magnetic Resonance Imaging as a Diagnostic Tool in the Assessment of Tumour Angiogenesis in Urinary Bladder Cancer. <i>Canadian Association of Radiologists Journal</i> , 2019 , 70, 254-263	3.9	7
53	A multimodal computer-aided diagnostic system for precise identification of renal allograft rejection: Preliminary results. <i>Medical Physics</i> , 2020 , 47, 2427-2440	4.4	7
52	A generalized MRI-based CAD system for functional assessment of renal transplant 2017 ,		7
51	Adrenal Hemangioma: Findings at Multidetector CT with Short Review of the Literature. <i>Case Reports in Radiology</i> , 2011 , 2011, 601803	0.6	7
50	Promising results for early diagnosis of lung cancer 2008 ,		7
49	Single-layer small intestinal submucosa or tunica vaginalis flap for correcting penile chordee. <i>BJU International</i> , 2004 , 94, 1097-101	5.6	7
48	A novel approach for global lung registration using 3D Markov-Gibbs appearance model. <i>Lecture Notes in Computer Science</i> , 2012 , 15, 114-21	0.9	7
47	A Novel ADCs-Based CNN Classification System for Precise Diagnosis of Prostate Cancer 2018 ,		7
46	A randomised controlled trial evaluating renal protective effects of selenium with vitamins A, C, E, verapamil, and losartan against extracorporeal shockwave lithotripsy-induced renal injury. <i>BJU International</i> , 2017 , 119, 142-147	5.6	6
45	A new validation approach for the growth rate measurement using elastic phantoms generated by state-of-the-art microfluidics technology 2010 ,		6
44	A new deformable model-based segmentation approach for accurate extraction of the kidney from abdominal CT images 2011 ,		6
43	2006 ,		6
42	A novel 3D joint Markov-Gibbs model for extracting blood vessels from PC-MRA images. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 943-50	0.9	6

41	Evaluation of CT perfusion parameters for assessment of split renal function in healthy donors. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2016 , 47, 1681-1688	1.4	5
40	Clinical predictive factors of sildenafil response: a penile hemodynamic study. <i>Andrology</i> , 2015 , 3, 241-6	4.2	5
39	Probabilistic Modeling of Blood Vessels for Segmenting MRA Images 2006 ,		5
38	Noncontrast computed tomography in obstructive anuria: a prospective study. <i>Urology</i> , 2002 , 59, 861-4	1.6	5
37	Imaging of Bladder Cancer: Standard Applications and Future Trends. <i>Medicina (Lithuania)</i> , 2021 , 57,	3.1	5
36	2018 ,		5
35	CT and MRI in Urinary Tract Infections: A Spectrum of Different Imaging Findings. <i>Medicina (Lithuania)</i> , 2021 , 57,	3.1	5
34	Can computerized tomography accurately stage childhood renal tumors?. <i>Journal of Urology</i> , 2014 , 192, 194-9	2.5	4
33	Evaluation of acute post-shock wave lithotripsy renal changes by dynamic magnetic resonance imaging: a prospective clinical study. <i>Journal of Urology</i> , 2014 , 192, 1705-9	2.5	4
32	A novel image-based approach for early detection of prostate cancer 2012 ,		4
31	2008 ,		4
30	Impact of pre-operative MRI-measured membranous urethral length on urinary continence after radical cystectomy and orthotopic substitution: clinical and urodynamic evaluation. <i>International Urology and Nephrology</i> , 2007 , 39, 149-54	2.3	4
29	A Novel CAD System for Detecting Acute Rejection of Renal Allografts Based on Integrating Imaging-markers and Laboratory Biomarkers 2018 ,		4
28	Role of diffusion weighted MR imaging in characterization of focal kidney and upper urinary tract lesions. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2016 , 47, 1689-1700	1.4	3
27	Segmentation of pathological lungs from CT chest images 2015 ,		3
26	Diagnosis and treatment of adrenal tumors: a single-center experience with 238 cases. <i>Urologia Internationalis</i> , 2009 , 83, 433-7	1.9	3
25	Image-Based Computer-Aided Diagnostic System for Early Diagnosis of Prostate Cancer. <i>Lecture Notes in Computer Science</i> , 2016 , 610-618	0.9	3
24	Precise Identification of Prostate Cancer from DWI Using Transfer Learning. <i>Sensors</i> , 2021 , 21,	3.8	3

23	Early Assessment of Acute Renal Rejection Post-transplantation: A Combined Imaging and Clinical Biomarkers Protocol 2018 ,		3
22	Cloacal Duplication: Single-center Experience in the Management of a Rare Anomaly. <i>Urology</i> , 2017 , 108, 171-174	1.6	2
21	Efficacy, Complications and Long-Term Outcomes of Selective Arterial Embolization of Symptomatic Giant Renal Angiomyolipoma. <i>Current Urology</i> , 2011 , 5, 179-184	1.7	2
20	3D joint Markov-Gibbs model for segmenting the blood vessels from MRA 2009 ,		2
19	Osteonecrosis in kidney recipients: has hypocalcaemia a role?. <i>Rheumatology International</i> , 2009 , 30, 75-9	3.6	2
18	A new 3D automatic segmentation framework for accurate segmentation of prostate from DCE-MRI 2011 ,		2
17	A New Shape-Based Segmentation Approach for the DCE-MRI Kidney Images 2007 ,		2
16	A Deep Learning Pipeline for Grade Groups Classification Using Digitized Prostate Biopsy Specimens. <i>Sensors</i> , 2021 , 21,	3.8	2
15	Fast, Accurate Unsupervised Segmentation of 3D Magnetic Resonance Angiography 2011 , 411-432		2
14	A New Framework for Precise Identification of Prostatic Adenocarcinoma.. <i>Sensors</i> , 2022 , 22,	3.8	2
13	Detecting Prostate Cancer Using A CNN-Based System Without Segmentation 2019 ,		1
12	Diagnosing urinary tract abnormalities: intravenous urography or CT urography?. <i>Reports in Medical Imaging</i> , 2014 , 55	0.8	1
11	Computer aided detection of acute renal allograft dysfunction using dynamic contrast enhanced MRI. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2011 , 42, 443-449	1.4	1
10	A novel 3D segmentation approach for segmenting the prostate from dynamic contrast enhanced MRI using current appearance and learned shape prior 2010 ,		1
9	A new 3D automatic segmentation framework for accurate extraction of prostate from diffusion imaging 2011 ,		1
8	Non-Invasive Image-Based Approach for Early Detection of Prostate Cancer 2011 ,		1
7	Static T2w MRU in noncalculary urinary obstruction: comparison of its two techniques. <i>Scientific World Journal, The</i> , 2008 , 8, 454-62	2.2	1
6	Assessment of acute renal allograft dysfunction by MRI diffusion techniques. <i>Egyptian Journal of Radiology and Nuclear Medicine</i> , 2018 , 49, 1131-1139	1.4	1

- 5 Reply by the authors. *Urology*, **2013**, 82, 491-2 1.6
- 4 Reply by the authors. *Urology*, **2013**, 82, 255-6 1.6
- 3 Role of MR renography in the evaluation of acute upper urinary tract obstruction. *Egyptian Journal of Radiology and Nuclear Medicine*, **2011**, 42, 243-248 1.4
- 2 Early identification of acute rejection for renal allografts: a machine learning approach **2021**, 197-218
- 1 Accurate identification of renal transplant rejection: convolutional neural networks and diffusion MRI **2021**, 91-115