

Mohamed Abou El-Ghar

List of Publications by Year in descending order

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140
papers

3,014
citations

172207

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141
all docs

141
docs citations

141
times ranked

2857
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Framework for Precise Identification of Prostatic Adenocarcinoma. <i>Sensors</i> , 2022, 22, 1848.	2.1	9
2	Early identification of acute rejection for renal allografts: a machine learning approach. , 2021, , 197-218.		0
3	Accurate identification of renal transplant rejection: convolutional neural networks and diffusion MRI. , 2021, , 91-115.		0
4	Imaging of Bladder Cancer: Standard Applications and Future Trends. <i>Medicina (Lithuania)</i> , 2021, 57, 220.	0.8	24
5	Role of AI and Histopathological Images in Detecting Prostate Cancer: A Survey. <i>Sensors</i> , 2021, 21, 2586.	2.1	26
6	Precise Identification of Prostate Cancer from DWI Using Transfer Learning. <i>Sensors</i> , 2021, 21, 3664.	2.1	15
7	CT and MRI in Urinary Tract Infections: A Spectrum of Different Imaging Findings. <i>Medicina (Lithuania)</i> , 2021, 57, 32.	0.8	24
8	A Deep Learning Pipeline for Grade Groups Classification Using Digitized Prostate Biopsy Specimens. <i>Sensors</i> , 2021, 21, 6708.	2.1	11
9	A multimodal computer-aided diagnostic system for precise identification of renal allograft rejection: Preliminary results. <i>Medical Physics</i> , 2020, 47, 2427-2440.	1.6	15
10	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.	2.5	39
11	Detecting Prostate Cancer Using A CNN-Based System Without Segmentation. , 2019, , .		4
12	A Novel CNN-Based CAD System for Early Assessment of Transplanted Kidney Dysfunction. <i>Scientific Reports</i> , 2019, 9, 5948.	1.6	54
13	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.	1.1	12
14	An Accurate System for Prostate Cancer Localization from Diffusion-Weighted MRI. , 2019, , .		2
15	Detecting and Localizing Prostate Cancer from Diffusion-Weighted Magnetic Resonance Imaging. , 2019, , .		3
16	Chemoprophylaxis during transrectal prostate needle biopsy: critical analysis through randomized clinical trial. <i>World Journal of Urology</i> , 2018, 36, 1845-1852.	1.2	14
17	Early Assessment of Acute Renal Rejection Post-transplantation: A Combined Imaging and Clinical Biomarkers Protocol. , 2018, , .		3
18	A Computer-Aided System for Prostate Cancer Diagnosis. , 2018, , .		2

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19	Assessment of acute renal allograft dysfunction by MRI diffusion techniques. Egyptian Journal of Radiology and Nuclear Medicine, 2018, 49, 1131-1139.	0.3	1
20	Fuzzy Membership-Driven Level Set for Automatic Kidney Segmentation from DCE-MRI. , 2018, , .		5
21	A Novel CAD System for Detecting Acute Rejection of Renal Allografts Based on Integrating Imaging-markers and Laboratory Biomarkers. , 2018, , .		4
22	A New Fast Framework for Early Detection of Prostate Cancer Without Prostate Segmentation. , 2018, , .		4
23	A New 3D CNN-based CAD System for Early Detection of Acute Renal Transplant Rejection. , 2018, , .		7
24	A Novel ADCs-Based CNN Classification System for Precise Diagnosis of Prostate Cancer. , 2018, , .		11
25	Deep Learning Role in Early Diagnosis of Prostate Cancer. Technology in Cancer Research and Treatment, 2018, 17, 153303461877553.	0.8	69
26	3D kidney segmentation from abdominal diffusion MRI using an appearance-guided deformable boundary. PLoS ONE, 2018, 13, e0200082.	1.1	39
27	A new CNN-based system for early diagnosis of prostate cancer. , 2018, , .		29
28	A Computer-Aided System for Prostate Cancer Diagnosis. , 2018, , .		0
29	A comprehensive non-invasive framework for diagnosing prostate cancer. Computers in Biology and Medicine, 2017, 81, 148-158.	3.9	37
30	Statistical analysis of ADCs and clinical biomarkers in detecting acute renal transplant rejection. British Journal of Radiology, 2017, 90, 20170125.	1.0	15
31	Cloacal Duplication: Single-center Experience in the Management of a Rare Anomaly. Urology, 2017, 108, 171-174.	0.5	5
32	A generalized MRI-based CAD system for functional assessment of renal transplant. , 2017, , .		7
33	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. BJU International, 2017, 119, 142-147.	1.3	10
34	Towards non-invasive diagnostic techniques for early detection of acute renal transplant rejection: A review. Egyptian Journal of Radiology and Nuclear Medicine, 2017, 48, 257-269.	0.3	36
35	Accurate Lungs Segmentation on CT Chest Images by Adaptive Appearance-Guided Shape Modeling. IEEE Transactions on Medical Imaging, 2017, 36, 263-276.	5.4	80
36	An ISO-surfaces based local deformation handling framework of lung tissues. , 2016, , .		10

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37	Computer-aided diagnostic tool for early detection of prostate cancer. , 2016, , .		26
38	A new non-invasive approach for early classification of renal rejection types using diffusion-weighted MRI. , 2016, , .		12
39	3D diffusion MRI-based CAD system for early diagnosis of acute renal rejection. , 2016, , .		12
40	Evaluation of CT perfusion parameters for assessment of split renal function in healthy donors. Egyptian Journal of Radiology and Nuclear Medicine, 2016, 47, 1681-1688.	0.3	8
41	A new NMF-autoencoder based CAD system for early diagnosis of prostate cancer. , 2016, , .		15
42	Role of diffusion weighted MR imaging in characterization of focal kidney and upper urinary tract lesions. Egyptian Journal of Radiology and Nuclear Medicine, 2016, 47, 1689-1700.	0.3	3
43	Image-Based Computer-Aided Diagnostic System for Early Diagnosis of Prostate Cancer. Lecture Notes in Computer Science, 2016, , 610-618.	1.0	8
44	Segmentation of pathological lungs from CT chest images. , 2015, , .		3
45	A level set-based framework for 3D kidney segmentation from diffusion MR images. , 2015, , .		24
46	Clinical predictive factors of sildenafil response: a penile hemodynamic study. Andrology, 2015, 3, 241-246.	1.9	7
47	A novel framework for automatic segmentation of kidney from DW-MRI. , 2015, , .		19
48	Models and methods for analyzing DCE-MRI: A review. Medical Physics, 2014, 41, 124301.	1.6	225
49	Can Computerized Tomography Accurately Stage Childhood Renal Tumors?. Journal of Urology, 2014, 192, 194-199.	0.2	7
50	Evaluation of Acute Post-Shock Wave Lithotripsy Renal Changes by Dynamic Magnetic Resonance Imaging: A Prospective Clinical Study. Journal of Urology, 2014, 192, 1705-1709.	0.2	4
51	<In-Vitro> and <In-Vivo> Diagnostic Techniques for Prostate Cancer: A Review. Journal of Biomedical Nanotechnology, 2014, 10, 2747-2777.	0.5	24
52	Dynamic Contrast-Enhanced MRI-Based Early Detection of Acute Renal Transplant Rejection. IEEE Transactions on Medical Imaging, 2013, 32, 1910-1927.	5.4	59
53	Kidney Stone Size and Hounsfield Units Predict Successful Shockwave Lithotripsy in Children. Urology, 2013, 81, 880-884.	0.5	44
54	A comprehensive non-invasive framework for automated evaluation of acute renal transplant rejection using DCE-MRI. NMR in Biomedicine, 2013, 26, 1460-1470.	1.6	52

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55	Are there long-term effects of extracorporeal shockwave lithotripsy in paediatric patients?. BJU International, 2013, 111, 666-671.	1.3	27
56	Reply by the Authors. Urology, 2013, 82, 491-492.	0.5	0
57	Reply by the Authors. Urology, 2013, 82, 255-256.	0.5	0
58	Automatic Detection of 2D and 3D Lung Nodules in Chest Spiral CT Scans. International Journal of Biomedical Imaging, 2013, 2013, 1-11.	3.0	27
59	A diffusion-weighted imaging based diagnostic system for early detection of prostate cancer. Journal of Biomedical Science and Engineering, 2013, 06, 346-356.	0.2	28
60	Ectopic insertion of the ureter into the seminal vesicle. World Journal of Radiology, 2013, 5, 349.	0.5	12
61	Role of diffusion-weighted MRI in diagnosis of acute renal allograft dysfunction: a prospective preliminary study. British Journal of Radiology, 2012, 85, e206-e211.	1.0	51
62	Appearance-based diagnostic system for early assessment of malignant lung nodules. , 2012, , .		13
63	Risk factors of erectile dysfunction and penile vascular changes after surgical repair of penile fracture. International Journal of Impotence Research, 2012, 24, 20-25.	1.0	25
64	A novel image-based approach for early detection of prostate cancer. , 2012, , .		10
65	Transurethral resection of ejaculatory duct in infertile men: outcome and predictors of success. International Urology and Nephrology, 2012, 44, 1623-1630.	0.6	32
66	Giant Seminal Vesicle Cyst Causing Ipsilateral Hydronephrosis With Contralateral Renal Agenesis. Urology, 2012, 79, e17-e18.	0.5	16
67	Low-dose unenhanced computed tomography for diagnosing stone disease in obese patients. Arab Journal of Urology Arab Association of Urology, 2012, 10, 279-283.	0.7	11
68	DWI-MRI: Single, Informative, and Noninvasive Technique for Prostate Cancer Diagnosis. Scientific World Journal, The, 2012, 2012, 1-5.	0.8	12
69	Radiological diagnosis of vesicouterine fistula: Role of magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2012, 36, 438-442.	1.9	25
70	Early assessment of malignant lung nodules based on the spatial analysis of detected lung nodules. , 2012, , .		14
71	Precise Segmentation of 3-D Magnetic Resonance Angiography. IEEE Transactions on Biomedical Engineering, 2012, 59, 2019-2029.	2.5	96
72	Diffusion-weighted magnetic resonance imaging in follow-up of superficial urinary bladder carcinoma after transurethral resection: initial experience. BJU International, 2012, 110, E622-7.	1.3	49

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73	A Novel Approach for Global Lung Registration Using 3D Markov-Gibbs Appearance Model. Lecture Notes in Computer Science, 2012, 15, 114-121.	1.0	9
74	A novel shape-based diagnostic approach for early diagnosis of lung nodules. , 2011, , .		20
75	A new 3D automatic segmentation framework for accurate extraction of prostate from diffusion imaging. , 2011, , .		7
76	Non-Invasive Image-Based Approach for Early Detection of Prostate Cancer. , 2011, , .		8
77	Role of MR renography in the evaluation of acute upper urinary tract obstruction. Egyptian Journal of Radiology and Nuclear Medicine, 2011, 42, 243-248.	0.3	0
78	Computer aided detection of acute renal allograft dysfunction using dynamic contrast enhanced MRI. Egyptian Journal of Radiology and Nuclear Medicine, 2011, 42, 443-449.	0.3	2
79	Multidetector Computed Tomography: Role in Determination of Urinary Stones Composition and Disintegration With Extracorporeal Shock Wave Lithotripsyâ€”an in Vitro Study. Urology, 2011, 77, 286-290.	0.5	40
80	Re: MR Urethrogram Versus Combined Retrograde Urethrogram and Sonourethrography in Diagnosis of Urethral Stricture. Journal of Urology, 2011, 186, 586-587.	0.2	1
81	Efficacy, Complications and Long-Term Outcomes of Selective Arterial Embolization of Symptomatic Giant Renal Angiomyolipoma. Current Urology, 2011, 5, 179-184.	0.4	2
82	Adrenal Hemangioma: Findings at Multidetector CT with Short Review of the Literature. Case Reports in Radiology, 2011, 2011, 1-3.	0.5	8
83	Longâ€”term functional and morphological outcome after pyeloplasty for huge renal pelvis. BJU International, 2011, 107, 829-833.	1.3	17
84	Elastic phantoms generated by microfluidics technology: Validation of an imagedâ€”based approach for accurate measurement of the growth rate of lung nodules. Biotechnology Journal, 2011, 6, 195-203.	1.8	23
85	3D automatic approach for precise segmentation of the prostate from Diffusion-Weighted Magnetic Resonance Imaging. , 2011, , .		7
86	A new deformable model-based segmentation approach for accurate extraction of the kidney from abdominal CT images. , 2011, , .		17
87	Adrenal Tumors with Venous Thrombosis: A Single-Institution Experience. Urologia Internationalis, 2011, 87, 182-185.	0.6	13
88	A new 3D automatic segmentation framework for accurate segmentation of prostate from DCE-MRI. , 2011, , .		8
89	3D Shape Analysis for Early Diagnosis of Malignant Lung Nodules. Lecture Notes in Computer Science, 2011, 22, 772-783.	1.0	45
90	Fast, Accurate Unsupervised Segmentation of 3D Magnetic Resonance Angiography. , 2011, , 411-432.		4

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91	3D Shape Analysis for Early Diagnosis of Malignant Lung Nodules. Lecture Notes in Computer Science, 2011, 14, 175-182.	1.0	18
92	Nonoperative Management of Grade 5 Renal Injury in Children: Does It Have a Place?. European Urology, 2010, 57, 154-163.	0.9	49
93	A novel 3D segmentation approach for segmenting the prostate from dynamic contrast enhanced MRI using current appearance and learned shape prior. , 2010, , .		4
94	Shape-Appearance Guided Level-Set Deformable Model for Image Segmentation. , 2010, , .		28
95	Appearance analysis for diagnosing malignant lung nodules. , 2010, , .		16
96	MR urethrogram versus combined retrograde urethrogram and sonourethrography in diagnosis of urethral stricture. European Journal of Radiology, 2010, 74, e193-e198.	1.2	32
97	False Penile Fracture: Value of Different Diagnostic Approaches and Long-term Outcome of Conservative and Surgical Management. Urology, 2010, 75, 1353-1356.	0.5	28
98	A new validation approach for the growth rate measurement using elastic phantoms generated by state-of-the-art microfluidics technology. , 2010, , .		7
99	Characterization of Solid Renal Masses using 64-Slice Multidetector CT Scanner. Scientific World Journal, The, 2009, 9, 441-448.	0.8	11
100	3D joint Markov-Gibbs model for segmenting the blood vessels from MRA. , 2009, , .		4
101	Diagnosis and Treatment of Adrenal Tumors: A Single-Center Experience with 238 Cases. Urologia Internationalis, 2009, 83, 433-437.	0.6	4
102	Bladder Cancer: Diagnosis with Diffusion-weighted MR Imaging in Patients with Gross Hematuria. Radiology, 2009, 251, 415-421.	3.6	105
103	Automatic analysis of 3D low dose CT images for early diagnosis of lung cancer. Pattern Recognition, 2009, 42, 1041-1051.	5.1	45
104	Osteonecrosis in kidney recipients: has hypocalcaemia a role?. Rheumatology International, 2009, 30, 75-79.	1.5	2
105	Bladder tumour staging: comparison of diffusion- and T2-weighted MR imaging. European Radiology, 2009, 19, 1575-1581.	2.3	141
106	A Novel 3D Joint Markov-Gibbs Model for Extracting Blood Vessels from PCâ€MRA Images. Lecture Notes in Computer Science, 2009, 12, 943-950.	1.0	11
107	Toward Early Diagnosis of Lung Cancer. Lecture Notes in Computer Science, 2009, 12, 682-689.	1.0	11
108	Evaluation of a synchronous twinâ€pulse technique for shock wave lithotripsy: a prospective randomized study of effectiveness and safety in comparison to standard singleâ€pulse technique. BJU International, 2008, 101, 1420-1426.	1.3	18

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109	Promising results for early diagnosis of lung cancer. , 2008, , .		9
110	A kidney segmentation approach from DCE-MRI using level sets. , 2008, , .		16
111	MRI in patients with chronic obstructive uropathy and compromised renal function: a sole method for morphological and functional assessment. British Journal of Radiology, 2008, 81, 624-629.	1.0	14
112	A novel image analysis approach for accurate identification of acute renal rejection. , 2008, , .		13
113	Anatomic Predictors of Formation of Lower Caliceal Calculi: Is It the Time for Three-Dimensional Computed Tomography Urography?. Journal of Endourology, 2008, 22, 2175-2180.	1.1	9
114	Static T2w MRU in Noncalcular Urinary Obstruction: Comparison of Its Two Techniques. Scientific World Journal, The, 2008, 8, 454-462.	0.8	1
115	Use of Magnetic Resonance Angiography in Diagnosis and Decision Making of Post-Traumatic, High-Flow Priapism. Scientific World Journal, The, 2008, 8, 176-181.	0.8	10
116	Diffusion-Weighted MR Imaging in Diagnosis of Superficial and Invasive Urinary Bladder Carcinoma: A Preliminary Prospective Study. Scientific World Journal, The, 2008, 8, 364-370.	0.8	40
117	Experiments on Sensitivity of Template Matching for Lung Nodule Detection in Low Dose CT Scans. , 2007, , .		3
118	A New Shape-Based Segmentation Approach for the DCE-MRI Kidney Images. , 2007, , .		2
119	A Kidney Segmentation Framework for Dynamic Contrast Enhanced Magnetic Resonance Imaging. JVC/Journal of Vibration and Control, 2007, 13, 1505-1516.	1.5	34
120	A New CAD System for Early Diagnosis of Detected Lung Nodules. , 2007, , .		20
121	A Novel Approach for Automatic Follow-Up of Detected Lung Nodules. , 2007, , .		11
122	Magnetic resonance imaging in the evaluation of pelvi-ureteric junction obstruction: an all-in-one approach. BJU International, 2007, 99, 641-645.	1.3	18
123	Impact of Pre-operative MRI-measured Membranous Urethral Length on Urinary Continence after Radical Cystectomy and Orthotopic Substitution: Clinical and Urodynamic Evaluation. International Urology and Nephrology, 2007, 39, 149-154.	0.6	4
124	Extracorporeal shock-wave lithotripsy monotherapy of partial staghorn calculi. Scandinavian Journal of Urology and Nephrology, 2006, 40, 320-325.	1.4	21
125	Magnetic Resonance Urethrography in Comparison to Retrograde Urethrography in Diagnosis of Male Urethral Strictures: Is It Clinically Relevant?. European Urology, 2006, 50, 587-594.	0.9	56
126	A Framework for Automatic Segmentation of Lung Nodules from Low Dose Chest CT Scans. , 2006, , .		22

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127	Predictors of Success after Extracorporeal Shock Wave Lithotripsy (ESWL) for Renal Calculi Between 20â€”30 mm: A Multivariate Analysis Model. Scientific World Journal, The, 2006, 6, 2388-2395.	0.8	27
128	Probabilistic Modeling of Blood Vessels for Segmenting MRA Images. , 2006, , .		8
129	Image Analysis of Renal DCE MRI for the Detection of Acute Renal Rejection. , 2006, , .		15
130	Fast Unsupervised Segmentation of 3D Magnetic Resonance Angiography. , 2006, , .		2
131	Magnetic resonance imaging as a sole method for the morphological and functional evaluation of live kidney donors. BJU International, 2005, 96, 111-116.	1.3	28
132	Quantitative Nodule Detection in Low Dose Chest CT Scans: New Template Modeling and Evaluation for CAD System Design. Lecture Notes in Computer Science, 2005, 8, 720-728.	1.0	25
133	Late renal functional and morphological evaluation after non-operative treatment of high-grade renal injuries in children. BJU International, 2004, 93, 1053-1056.	1.3	33
134	Role of multiphasic helical computed tomography in planning surgical treatment for pelvi-ureteric junction obstruction. BJU International, 2004, 94, 582-587.	1.3	23
135	Single-layer small intestinal submucosa or tunica vaginalis flap for correcting penile chordee. BJU International, 2004, 94, 1097-1101.	1.3	8
136	DIAGNOSIS OF URETERAL OBSTRUCTION IN PATIENTS WITH COMPROMISED RENAL FUNCTION: THE ROLE OF NONINVASIVE IMAGING MODALITIES. Journal of Urology, 2004, 171, 2303-2306.	0.2	55
137	Contrast Enhanced Spiral Computerized Tomography in Live Kidney Donors:: A Single Session for Anatomical and Functional Assessment. Journal of Urology, 2004, 171, 31-34.	0.2	45
138	CONTRAST ENHANCED SPIRAL COMPUTERIZED TOMOGRAPHY IN PATIENTS WITH CHRONIC OBSTRUCTIVE UROPATHY AND NORMAL SERUM CREATININE: A SINGLE SESSION FOR ANATOMICAL AND FUNCTIONAL ASSESSMENT. Journal of Urology, 2004, 172, 985-988.	0.2	40
139	Noncontrast computed tomography in obstructive anuria: a prospective study. Urology, 2002, 59, 861-864.	0.5	7
140	Diagnosing urinary tract abnormalities: intravenous urography or CT urography?. Reports in Medical Imaging, 0, , 55.	0.8	4