

Gyan Pareek

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,183
citations

201674

27
h-index

254184

43
g-index

78
all docs

78
docs citations

78
times ranked

1946
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock wave lithotripsy success determined by skin-to-stone distance on computed tomography. <i>Urology</i> , 2005, 66, 941-944.	1.0	250
2	Extracorporeal shock wave lithotripsy success based on body mass index and Hounsfield units. <i>Urology</i> , 2005, 65, 33-36.	1.0	183
3	COVID-19 pathways for brain and heart injury in comorbidity patients: A role of medical imaging and artificial intelligence-based COVID severity classification: A review. <i>Computers in Biology and Medicine</i> , 2020, 124, 103960.	7.0	79
4	Iatrogenic bladder perforations: longterm followup of 65 patients. <i>Journal of the American College of Surgeons</i> , 2004, 198, 78-82.	0.5	74
5	Hounsfield Units on Computed Tomography Predict Calcium Stone Subtype Composition. <i>Urologia Internationalis</i> , 2009, 83, 175-180.	1.3	60
6	Triple D Score Is a Reportable Predictor of Shockwave Lithotripsy Stone-Free Rates. <i>Journal of Endourology</i> , 2015, 29, 226-230.	2.1	57
7	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. <i>Cardiovascular Diagnosis and Therapy</i> , 2019, 9, 420-430.	1.7	54
8	3-D optimized classification and characterization artificial intelligence paradigm for cardiovascular/stroke risk stratification using carotid ultrasound-based delineated plaque: Atheromaticâ„¢ 2.0. <i>Computers in Biology and Medicine</i> , 2020, 125, 103958.	7.0	52
9	Cardiovascular/stroke risk predictive calculators: a comparison between statistical and machine learning models. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 919-938.	1.7	46
10	A narrative review on characterization of acute respiratory distress syndrome in COVID-19-infected lungs using artificial intelligence. <i>Computers in Biology and Medicine</i> , 2021, 130, 104210.	7.0	46
11	Prostate Tissue Characterization/Classification in 144 Patient Population Using Wavelet and Higher Order Spectra Features from Transrectal Ultrasound Images. <i>Technology in Cancer Research and Treatment</i> , 2013, 12, 545-557.	1.9	44
12	Rectal Swab Cultureâ€”directed Antimicrobial Prophylaxis for Prostate Biopsy and Risk of Postprocedure Infection: A Cohort Study. <i>Urology</i> , 2015, 85, 8-14.	1.0	44
13	Two-stage artificial intelligence model for jointly measurement of atherosclerotic wall thickness and plaque burden in carotid ultrasound: A screening tool for cardiovascular/stroke risk assessment. <i>Computers in Biology and Medicine</i> , 2020, 123, 103847.	7.0	42
14	Wilson disease tissue classification and characterization using seven artificial intelligence models embedded with 3D optimization paradigm on a weak training brain magnetic resonance imaging datasets: a supercomputer application. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 511-533.	2.8	41
15	Multimodality carotid plaque tissue characterization and classification in the artificial intelligence paradigm: a narrative review for stroke application. <i>Annals of Translational Medicine</i> , 2021, 9, 1206-1206.	1.7	39
16	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. <i>International Angiology</i> , 2020, 38, 451-465.	0.9	39
17	COVLIAS 1.0: Lung Segmentation in COVID-19 Computed Tomography Scans Using Hybrid Deep Learning Artificial Intelligence Models. <i>Diagnostics</i> , 2021, 11, 1405.	2.6	38
18	Percutaneous Nephrolithotomy Can Be Safely Performed in the High-risk Patient. <i>Urology</i> , 2010, 75, 51-55.	1.0	35

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19	Relationship Between Serum Vitamin D and 24-Hour Urine Calcium in Patients With Nephrolithiasis. <i>Urology</i> , 2012, 80, 1007-1010.	1.0	34
20	Artificial intelligence framework for predictive cardiovascular and stroke risk assessment models: A narrative review of integrated approaches using carotid ultrasound. <i>Computers in Biology and Medicine</i> , 2020, 126, 104043.	7.0	34
21	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. <i>Current Atherosclerosis Reports</i> , 2019, 21, 25.	4.8	33
22	An Unbiased Prospective Report of Perioperative Complications of Robot-assisted Laparoscopic Radical Prostatectomy. <i>Urology</i> , 2010, 75, 1083-1089.	1.0	32
23	Second Prize: Elastographic Measurements of in-Vivo Radiofrequency Ablation Lesions of the Kidney. <i>Journal of Endourology</i> , 2006, 20, 959-964.	2.1	31
24	A comparison of the FREDDY and holmium lasers during ureteroscopic lithotripsy. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 637-640.	2.1	31
25	Cost-Effectiveness Comparison of Renal Calculi Treated with Ureteroscopic Laser Lithotripsy Versus Shockwave Lithotripsy. <i>Journal of Endourology</i> , 2014, 28, 639-643.	2.1	30
26	The Role of Cryosurgery of the Prostate for Nonsurgical Candidates. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2013, 17, 423-428.	1.1	29
27	A Review on Joint Carotid Intima-Media Thickness and Plaque Area Measurement in Ultrasound for Cardiovascular/Stroke Risk Monitoring: Artificial Intelligence Framework. <i>Journal of Digital Imaging</i> , 2021, 34, 581-604.	2.9	29
28	Low-cost preventive screening using carotid ultrasound in patients with diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1132-1171.	3.0	29
29	ALLN-177, oral enzyme therapy for hyperoxaluria. <i>International Urology and Nephrology</i> , 2019, 51, 601-608.	1.4	26
30	Cardiovascular risk assessment in patients with rheumatoid arthritis using carotid ultrasound B-mode imaging. <i>Rheumatology International</i> , 2020, 40, 1921-1939.	3.0	25
31	Evaluation and Medical Management of Patients with Cystine Nephrolithiasis: A Consensus Statement. <i>Journal of Endourology</i> , 2020, 34, 1103-1110.	2.1	25
32	Nanostructured polyurethane-poly-lactic- co-glycolic acid scaffolds increase bladder tissue regeneration: an in vivo study. <i>International Journal of Nanomedicine</i> , 2013, 8, 3285.	6.7	24
33	Integration of cardiovascular risk assessment with COVID-19 using artificial intelligence. <i>Reviews in Cardiovascular Medicine</i> , 2020, 21, 541.	1.4	24
34	The current role of cryotherapy for renal and prostate tumors. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2005, 23, 361-366.	1.6	22
35	Cost-effectiveness comparison of ureteral calculi treated with ureteroscopic laser lithotripsy versus shockwave lithotripsy. <i>World Journal of Urology</i> , 2017, 35, 161-166.	2.2	22
36	Perioperative Morbidity of Open Versus Minimally Invasive Partial Nephrectomy: A Contemporary Analysis of the National Surgical Quality Improvement Program. <i>Journal of Endourology</i> , 2018, 32, 116-123.	2.1	21

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37	Haemostatic partial nephrectomy using bipolar radiofrequency ablation. <i>BJU International</i> , 2005, 96, 1101-1104.	2.5	20
38	The Perioperative Morbidity of Transurethral Resection of Bladder Tumor: Implications for Quality Improvement. <i>Urology</i> , 2019, 125, 131-137.	1.0	20
39	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. <i>Angiology</i> , 2020, 71, 520-535.	1.8	20
40	Inter-Variability Study of COVLIAS 1.0: Hybrid Deep Learning Models for COVID-19 Lung Segmentation in Computed Tomography. <i>Diagnostics</i> , 2021, 11, 2025.	2.6	20
41	Survey from skills-based hands on learning courses demonstrates increased laparoscopic caseload and clinical laparoscopic suturing. <i>Urology</i> , 2005, 66, 271-273.	1.0	19
42	Laparoscopic renal surgery in the octogenarian. <i>BJU International</i> , 2008, 101, 867-870.	2.5	18
43	Complications of laparoscopic renal surgery. <i>International Journal of Urology</i> , 2010, 17, 206-214.	1.0	18
44	Ureteral stenting practices following routine ureteroscopy: an international survey. <i>World Journal of Urology</i> , 2019, 37, 2501-2508.	2.2	18
45	Histopathologic Changes After Bipolar Resection of the Prostate: Depth of Penetration of Bipolar Thermal Injury. <i>Journal of Endourology</i> , 2012, 26, 1367-1371.	2.1	17
46	Hand-Assisted Laparoscopic Versus Robot-Assisted Laparoscopic Partial Nephrectomy: Comparison of Short-Term Outcomes and Cost. <i>Journal of Endourology</i> , 2013, 27, 182-188.	2.1	17
47	Metastasis of Malignant Melanoma to Urinary Bladder: A Case Report and Review of the Literature. <i>Case Reports in Pathology</i> , 2015, 2015, 1-6.	0.3	16
48	Does the Carotid Bulb Offer a Better 10-Year CVD/Stroke Risk Assessment Compared to the Common Carotid Artery? A 1516 Ultrasound Scan Study. <i>Angiology</i> , 2020, 71, 920-933.	1.8	16
49	Integration of estimated glomerular filtration rate biomarker in image-based cardiovascular disease/stroke risk calculator: a south Asian-Indian diabetes cohort with moderate chronic kidney disease. <i>International Angiology</i> , 2020, 39, 290-306.	0.9	16
50	Emergency Ureteral Stone Treatment Score Predicts Outcomes of Ureteroscopic Intervention in Acute Obstructive Uropathy Secondary to Urolithiasis. <i>Journal of Endourology</i> , 2017, 31, 829-834.	2.1	15
51	The association of age with perioperative morbidity and mortality among men undergoing radical prostatectomy. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2018, 36, 157.e7-157.e13.	1.6	15
52	Ultrasound-based stroke/cardiovascular risk stratification using Framingham Risk Score and ASCVD Risk Score based on "Integrated Vascular Age" instead of "Chronological Age": a multi-ethnic study of Asian Indian, Caucasian, and Japanese cohorts. <i>Cardiovascular Diagnosis and Therapy</i> , 2020, 10, 939-954.	1.7	15
53	Cardiovascular disease and stroke risk assessment in patients with chronic kidney disease using integration of estimated glomerular filtration rate, ultrasonic image phenotypes, and artificial intelligence: a narrative review. <i>International Angiology</i> , 2021, 40, 150-164.	0.9	15
54	COVLIAS 1.0 vs. MedSeg: Artificial Intelligence-Based Comparative Study for Automated COVID-19 Computed Tomography Lung Segmentation in Italian and Croatian Cohorts. <i>Diagnostics</i> , 2021, 11, 2367.	2.6	15

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55	The growing prevalence of kidney stones and opportunities for prevention. Rhode Island Medical Journal (2013), 2014, 97, 31-4.	0.2	14
56	Skills-based Laparoscopy Training Demonstrates Long-Term Transfer of Clinical Laparoscopic Practice: Additional Follow-up. Urology, 2008, 72, 265-267.	1.0	13
57	Atypical Small Acinar Proliferation: Repeat Biopsy and Detection of High Grade Prostate Cancer. Prostate Cancer, 2015, 2015, 1-5.	0.6	11
58	Nutrition, atherosclerosis, arterial imaging, cardiovascular risk stratification, and manifestations in COVID-19 framework: a narrative review. Frontiers in Bioscience, 2021, 26, 1312.	2.1	11
59	Intravesical Hemostatic Clip Migration After Robotic Prostatectomy: Case Series and Review of the Literature. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2016, 26, 710-712.	1.0	10
60	Choice of Surgical Options in Kidney Cancer and Surgical Complications. Seminars in Nephrology, 2020, 40, 42-48.	1.6	10
61	The impact of robotic surgery on pelvic lymph node dissection during radical prostatectomy for localized prostate cancer: the Brown University early robotic experience. Canadian Journal of Urology, 2009, 16, 4842-6.	0.0	10
62	Partial Nephrectomy for Small Renal Masses: Do Teaching and Nonteaching Institutions Adhere to Guidelines Equally?. Journal of Endourology, 2016, 30, 714-721.	2.1	9
63	Calculated insulin resistance correlates with stone-forming urinary metabolic changes and greater stone burden in high-risk stone patients. Clinical Nephrology, 2016, 85 (2016), 316-320.	0.7	9
64	Histopathology in Ureteropelvic Junction Obstruction With and Without Crossing Vessels. Urology, 2017, 107, 209-213.	1.0	8
65	The Posterior Surgical Approach to Robot-Assisted Radical Prostatectomy Facilitates Dissection of Large Glands. Journal of Endourology, 2013, 27, 740-742.	2.1	7
66	Personal Protective Equipment for Common Urologic Procedures Before and During the United States COVID-19 Pandemic: A Single Institution Study. Urology, 2020, 141, 1-6.	1.0	7
67	An Updated Report on Complications Following Robotic Prostatectomy: Results of an Unbiased Prospective Database. Journal of Endourology, 2013, 27, 554-559.	2.1	6
68	The association of lymph node dissection with 30-day perioperative morbidity among men undergoing minimally invasive radical prostatectomy: analysis of the National Surgical Quality Improvement Program (NSQIP). Prostate Cancer and Prostatic Diseases, 2018, 21, 245-251.	3.9	6
69	Endourologic and Open Ureterolithotomy and Common Sheath Reimplant for Large Bladder and Distal Ureteral Calculi. Journal of Endourology Case Reports, 2016, 2, 209-211.	0.3	3
70	Endourology survey on radiation exposure and post-ureteroscopy US and CT reveals a need for clear guidelines. World Journal of Urology, 2021, 39, 225-231.	2.2	3
71	History of Laser Lithotripsy. , 2018, , 87-96.		3
72	Presence and percentage of type 2 papillary RCC in mixed (type 1 and type 2) papillary renal cell carcinoma does not portend worse prognosis in patients treated by partial/radical nephrectomy in non-metastatic disease.. Journal of Clinical Oncology, 2016, 34, e16126-e16126.	1.6	3

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73	Indications for stent omission after ureteroscopic lithotripsy defined: A single-institution experience with cost analysis. Arab Journal of Urology Arab Association of Urology, 2019, 17, 206-211.	1.5	2
74	Hand-assisted demucosalized gastrocystoplasty comparing different tissue closure methods. Urology, 2001, 58, 625-630.	1.0	1
75	Commentary to "Evaluation of Educational Value of YouTube Videos addressing Robotic Pyeloplasty in Children". Journal of Pediatric Urology, 2021, 17, 391.	1.1	0
76	Is immediate repeat biopsy necessary for men with atypical small acinar proliferation?. Journal of Clinical Oncology, 2014, 32, e16049-e16049.	1.6	0
77	The role of minimally invasive urology in the new millennium. Medicine and Health, Rhode Island, 2009, 92, 324.	0.1	0