

Simon Hein

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

580
citations

687220

13
h-index

642610

23
g-index

37
all docs

37
docs citations

37
times ranked

640
citing authors

#	ARTICLE	IF	CITATIONS
1	Current and future applications of machine and deep learning in urology: a review of the literature on urolithiasis, renal cell carcinoma, and bladder and prostate cancer. <i>World Journal of Urology</i> , 2020, 38, 2329-2347.	1.2	105
2	Application of artificial neural networks for automated analysis of cystoscopic images: a review of the current status and future prospects. <i>World Journal of Urology</i> , 2020, 38, 2349-2358.	1.2	55
3	Thermal effects of Ho: YAG laser lithotripsy: real-time evaluation in an in vitro model. <i>World Journal of Urology</i> , 2018, 36, 1469-1475.	1.2	53
4	Thermal effects of Ho:YAG laser lithotripsy during retrograde intrarenal surgery and percutaneous nephrolithotomy in an ex vivo porcine kidney model. <i>World Journal of Urology</i> , 2020, 38, 753-760.	1.2	49
5	Clinical significance of residual fragments in 2015: impact, detection, and how to avoid them. <i>World Journal of Urology</i> , 2016, 34, 771-778.	1.2	32
6	Residual stone fragments. <i>Current Opinion in Urology</i> , 2019, 29, 129-134.	0.9	28
7	Endoscopically Determined Stone Clearance Predicts Disease Recurrence Within 5 Years After Retrograde Intrarenal Surgery. <i>Journal of Endourology</i> , 2016, 30, 644-649.	1.1	22
8	Robotic stone surgery – Current state and future prospects: A systematic review. <i>Arab Journal of Urology Arab Association of Urology</i> , 2018, 16, 357-364.	0.7	19
9	Validating Automated Kidney Stone Volumetry in CT and Mathematical Correlation with Estimated Stone Volume Based on Diameter. <i>Journal of Endourology</i> , 2018, 32, 659-664.	1.1	19
10	Novel Biocompatible Adhesive for Intrarenal Embedding and Endoscopic Removal of Small Residual Fragments after Minimally Invasive Stone Treatment in an Ex Vivo Porcine Kidney Model: Initial Evaluation of a Prototype. <i>Journal of Urology</i> , 2016, 196, 1772-1777.	0.2	18
11	Ultralow Radiation Exposure During Flexible Ureteroscopy in Patients With Nephrolithiasis – How Far Can We Go?. <i>Urology</i> , 2017, 108, 34-39.	0.5	16
12	Image-based 3D surface approximation of the bladder using structure-from-motion for enhanced cystoscopy based on phantom data. <i>Biomedizinische Technik</i> , 2018, 63, 461-466.	0.9	16
13	Use of Artificial Intelligence for Medical Literature Search: Randomized Controlled Trial Using the Hackathon Format. <i>Interactive Journal of Medical Research</i> , 2020, 9, e16606.	0.6	16
14	Performance of Single-Use FlexorVue vs Reusable BoaVision Ureteroscope for Visualization of Calices and Stone Extraction in an Artificial Kidney Model. <i>Journal of Endourology</i> , 2017, 31, 1139-1144.	1.1	14
15	Current Disposable Ureteroscopes: Performance and Limitations in a Standardized Kidney Model. <i>Journal of Endourology</i> , 2020, 34, 1015-1020.	1.1	11
16	Level of evidence, sponsorship, conflict of interest policy and commercial impact of PubMed-listed clinical urolithiasis-related trials in 2014. <i>BJU International</i> , 2016, 117, 787-792.	1.3	10
17	Viability and biocompatibility of an adhesive system for intrarenal embedding and endoscopic removal of small residual fragments in minimally-invasive stone treatment in an in vivo pig model. <i>World Journal of Urology</i> , 2018, 36, 673-680.	1.2	10
18	Efficacy and safety of aquablation of the prostate for patients with symptomatic benign prostatic enlargement: a systematic review. <i>World Journal of Urology</i> , 2020, 38, 1147-1163.	1.2	10

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19	A novel endoimaging system for endoscopic 3D reconstruction in bladder cancer patients. Minimally Invasive Therapy and Allied Technologies, 2022, 31, 34-41.	0.6	10
20	Current Standards in the Endoscopic Management of Bladder Cancer: A Survey Evaluation among Urologists in German-Speaking Countries. Urologia Internationalis, 2020, 104, 410-416.	0.6	10
21	Radiation exposure during retrograde intrarenal surgery (RIRS): a prospective multicenter evaluation. World Journal of Urology, 2021, 39, 217-224.	1.2	10
22	New for Oldâ€“Coagulum Lithotomy vs a Novel Bioadhesive for Complete Removal of Stone Fragments in a Comparative Study in an Ex Vivo Porcine Model. Journal of Endourology, 2017, 31, 611-616.	1.1	7
23	Stone-Free Rate after Treating Kidney Stones Exceeding 10 mm via Flexible Ureteroscopy: Can Endoscopic Assessment Replace Low-Dose Computed Tomography Control?. Urologia Internationalis, 2019, 103, 326-330.	0.6	7
24	Management and endovascular therapy of ureteroarterial fistulas: experience from a single center and review of the literature. CVIR Endovascular, 2021, 4, 36.	0.4	7
25	Algorithm-Based Motion Magnification for Video Processing in Urological Laparoscopy. Journal of Endourology, 2017, 31, 583-587.	1.1	6
26	Flexible Vesiculovasoscopy Using a Microoptical System in a Human Cadaver Model: An Experimental Approach for Atraumatic Endoscopy of the Seminal Tract. Journal of Endourology, 2016, 30, 934-938.	1.1	5
27	Preclinical and Clinical Evaluation of a Novel, Variable-View, Rigid Endoscope for Female Cystoscopy. Urology, 2020, 142, 231-236.	0.5	4
28	Combined prostatic urethral lift and remodeling of the prostate and bladder neck: a modified transurethral approach in the treatment of symptomatic lower urinary tract obstruction. World Journal of Urology, 2018, 36, 1111-1116.	1.2	3
29	The stone surgeon in the mirror: how are German-speaking urologists treating large renal stones today?. World Journal of Urology, 2018, 36, 467-473.	1.2	2
30	Thermal effects of thulium: YAG laser treatment of the prostateâ€”an in vitro study. World Journal of Urology, 2021, , 1.	1.2	2
31	Feasibility of an Updated Randomised Controlled Trial on Surgical Urolithiasis Treatments: The Pilot Trial for the German Endoscopic versus Shock Wave Therapy Study (GESS). European Urology Focus, 2022, 8, 271-275.	1.6	1
32	Therapy-Refractory Matrix Staghorn in a Kidney Transplant Recipient: Endoscopic Percutaneous Morcellation as a Novel Treatment Option. Journal of Endourology Case Reports, 2020, 6, 209-212.	0.3	0
33	Flexible Vesiculo-Vasoscopy Using a Micro-Optical System in a Human Cadaver Model: An Experimental Approach for Atraumatic Endoscopy of the Seminal Tract. Videourology (New Rochelle, N Y), 2016, 30, .	0.1	0
34	Temperature assessment study of ex vivo holmium laser enucleation of the prostate model. World Journal of Urology, 0, , .	1.2	0