

Enrico Checcucci

List of Publications by Year in descending order

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101
papers

3,030
citations

186209

28
h-index

197736

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g-index

106
all docs

106
docs citations

106
times ranked

2800
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of the COVID-19 pandemic on urology residency training in Italy. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 505-509.	3.9	183
2	Telehealth in Urology: A Systematic Review of the Literature. How Much Can Telemedicine Be Useful During and After the COVID-19 Pandemic?. <i>European Urology</i> , 2020, 78, 786-811.	0.9	150
3	Hyperaccuracy Three-dimensional Reconstruction Is Able to Maximize the Efficacy of Selective Clamping During Robot-assisted Partial Nephrectomy for Complex Renal Masses. <i>European Urology</i> , 2018, 74, 651-660.	0.9	125
4	Development and validation of 3D printed virtual models for robot-assisted radical prostatectomy and partial nephrectomy: urologists' and patients' perception. <i>World Journal of Urology</i> , 2018, 36, 201-207.	1.2	123
5	Three-dimensional Augmented Reality Robot-assisted Partial Nephrectomy in Case of Complex Tumours (PADUA 10): A New Intraoperative Tool Overcoming the Ultrasound Guidance. <i>European Urology</i> , 2020, 78, 229-238.	0.9	117
6	Slowdown of urology residents' learning curve during the COVID-19 emergency. <i>BJU International</i> , 2020, 125, E15-E17.	1.3	111
7	Retzius-sparing robot-assisted radical prostatectomy vs the standard approach: a systematic review and analysis of comparative outcomes. <i>BJU International</i> , 2020, 125, 8-16.	1.3	106
8	Artificial intelligence and neural networks in urology: current clinical applications. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 49-57.	3.9	103
9	Traditional and Virtual Congress Meetings During the COVID-19 Pandemic and the Post-COVID-19 Era: Is it Time to Change the Paradigm?. <i>European Urology</i> , 2020, 78, 301-303.	0.9	100
10	Total Anatomical Reconstruction During Robot-assisted Radical Prostatectomy: Implications on Early Recovery of Urinary Continence. <i>European Urology</i> , 2016, 69, 485-495.	0.9	92
11	Assessing the Burden of Nondeferrable Major Uro-oncologic Surgery to Guide Prioritisation Strategies During the COVID-19 Pandemic: Insights from Three Italian High-volume Referral Centres. <i>European Urology</i> , 2020, 78, 11-15.	0.9	84
12	Three-dimensional Elastic Augmented-reality Robot-assisted Radical Prostatectomy Using Hyperaccuracy Three-dimensional Reconstruction Technology: A Step Further in the Identification of Capsular Involvement. <i>European Urology</i> , 2019, 76, 505-514.	0.9	82
13	Three-dimensional virtual imaging of renal tumours: a new tool to improve the accuracy of nephrometry scores. <i>BJU International</i> , 2019, 124, 945-954.	1.3	73
14	Forecasting the Future of Urology Practice: A Comprehensive Review of the Recommendations by International and European Associations on Priority Procedures During the COVID-19 Pandemic. <i>European Urology Focus</i> , 2020, 6, 1032-1048.	1.6	67
15	Robot-assisted Surgery for Benign Ureteral Strictures: Experience and Outcomes from Four Tertiary Care Institutions. <i>European Urology</i> , 2017, 71, 945-951.	0.9	63
16	3-Year follow-up of temporary implantable nitinol device implantation for the treatment of benign prostatic obstruction. <i>BJU International</i> , 2018, 122, 106-112.	1.3	62
17	Five-year Outcomes for a Prospective Randomised Controlled Trial Comparing Laparoscopic and Robot-assisted Radical Prostatectomy. <i>European Urology Focus</i> , 2018, 4, 80-86.	1.6	62
18	Augmented Reality Robot-assisted Radical Prostatectomy: Preliminary Experience. <i>Urology</i> , 2018, 115, 184.	0.5	55

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19	Expanding the Indications of Robotic Partial Nephrectomy for Highly Complex Renal Tumors: Urologists' Perception of the Impact of Hyperaccuracy Three-Dimensional Reconstruction. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2019, 29, 233-239.	0.5	53
20	Multiparametric Magnetic Resonance/Ultrasound Fusion Prostate Biopsy: Number and Spatial Distribution of Cores for Better Index Tumor Detection and Characterization. <i>Journal of Urology</i> , 2017, 198, 58-64.	0.2	52
21	3D mixed reality holograms for preoperative surgical planning of nephron-sparing surgery: evaluation of surgeons' perception. <i>Minerva Urology and Nephrology</i> , 2021, 73, 367-375.	1.3	45
22	3D imaging applications for robotic urologic surgery: an ESUT YAUWP review. <i>World Journal of Urology</i> , 2020, 38, 869-881.	1.2	43
23	Robot-assisted partial nephrectomy: 7-year outcomes. <i>Minerva Urology and Nephrology</i> , 2021, 73, 540-543.	1.3	43
24	Total anatomical reconstruction during robot-assisted radical prostatectomy: focus on urinary continence recovery and related complications after 1000 procedures. <i>BJU International</i> , 2019, 124, 477-486.	1.3	40
25	Precision prostate cancer surgery: an overview of new technologies and techniques. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2019, 71, 487-501.	3.9	37
26	3D imaging technologies in minimally invasive kidney and prostate cancer surgery: which is the urologists' perception?. <i>Minerva Urology and Nephrology</i> , 2022, 74, .	1.3	35
27	The importance of anatomical reconstruction for continence recovery after robot assisted radical prostatectomy: a systematic review and pooled analysis from referral centers. <i>Minerva Urology and Nephrology</i> , 2021, 73, 165-177.	1.3	34
28	New Ultra-minimally Invasive Surgical Treatment for Benign Prostatic Hyperplasia: A Systematic Review and Analysis of Comparative Outcomes. <i>European Urology Open Science</i> , 2021, 33, 28-41.	0.2	34
29	Rates and Predictors of Perioperative Complications in Cytoreductive Nephrectomy: Analysis of the Registry for Metastatic Renal Cell Carcinoma. <i>European Urology Oncology</i> , 2020, 3, 523-529.	2.6	33
30	Outcomes of robot-assisted partial nephrectomy for completely endophytic renal tumors: A multicenter analysis. <i>European Journal of Surgical Oncology</i> , 2021, 47, 1179-1186.	0.5	32
31	First- and Second-Generation Temporary Implantable Nitinol Devices As Minimally Invasive Treatments for BPH-Related LUTS: Systematic Review of the Literature. <i>Current Urology Reports</i> , 2019, 20, 47.	1.0	31
32	Indocyanine Green Drives Computer Vision Based 3D Augmented Reality Robot Assisted Partial Nephrectomy: The Beginning of "Automatic" Overlapping Era. <i>Urology</i> , 2022, 164, e312-e316.	0.5	30
33	Applications of neural networks in urology: a systematic review. <i>Current Opinion in Urology</i> , 2020, 30, 788-807.	0.9	29
34	Comparison between minimally-invasive partial and radical nephrectomy for the treatment of clinical T2 renal masses: results of a 10-year study in a tertiary care center. <i>Minerva Urology and Nephrology</i> , 2021, 73, 509-517.	1.3	29
35	The vaccine journey for COVID-19: a comprehensive systematic review of current clinical trials in humans. <i>Panminerva Medica</i> , 2022, 64, .	0.2	28
36	Single-port robot-assisted radical prostatectomy: a systematic review and pooled analysis of the preliminary experiences. <i>BJU International</i> , 2020, 126, 55-64.	1.3	27

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37	Three-dimensional Virtual Modelsâ€™ Assistance During Minimally Invasive Partial Nephrectomy Minimizes the Impairment of Kidney Function. <i>European Urology Oncology</i> , 2022, 5, 104-108.	2.6	26
38	Percutaneous Kidney Puncture with Three-dimensional Mixed-reality Hologram Guidance: From Preoperative Planning to Intraoperative Navigation. <i>European Urology</i> , 2022, 81, 588-597.	0.9	26
39	"Augmented reality" applications in urology: a systematic review. <i>Minerva Urology and Nephrology</i> , 2022, 74, .	1.3	26
40	Perioperative and Mid-term Oncological and Functional Outcomes After Partial Nephrectomy for Complex (PADUA Score â‰¥10) Renal Tumors: A Prospective Multicenter Observational Study (the Tj ETQq0 0 0 ngBT /Overlook 10 Tf		
41	Deferring Elective Urologic Surgery During the COVID-19 Pandemic: The Patientsâ€™ Perspective. <i>Urology</i> , 2021, 147, 21-26.	0.5	24
42	Explorando la perspectiva de los residentes sobre las modalidades y contenidos de aprendizaje inteligente para la educaci3n virtual de urolog3a: lecci3n aprendida durante la pandemia de la COVID-19. <i>Actas Urol3gicas Espa3olas</i> , 2021, 45, 39-48.	0.3	23
43	Urethral-sparing Robot-assisted Simple Prostatectomy: An Innovative Technique to Preserve Ejaculatory Function Overcoming the Limitation of the Standard Millin Approach. <i>European Urology</i> , 2021, 80, 222-233.	0.9	19
44	Smart learning for urology residents during the COVID-19 pandemic and beyond: insights from a nationwide survey in Italy. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 647-649.	3.9	19
45	All you need to know about "Aquablation" procedure for treatment of benign prostatic obstruction. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 152-161.	3.9	17
46	Retroperitoneal Robot-assisted Partial Nephrectomy: A Systematic Review and Pooled Analysis of Comparative Outcomes. <i>European Urology Open Science</i> , 2022, 40, 27-37.	0.2	17
47	Technical details to achieve perfect early continence after radical prostatectomy. <i>Minerva Chirurgica</i> , 2019, 74, 63-77.	0.8	16
48	Contemporary Trends of Systemic Neoadjuvant and Adjuvant Intravesical Chemotherapy in Patients With Upper Tract Urothelial Carcinomas Undergoing Minimally Invasive or Open Radical Nephroureterectomy: Analysis of US Claims on Perioperative Outcomes and Health Care Costs. <i>Clinical Genitourinary Cancer</i> , 2022, 20, 198.e1-198.e9.	0.9	15
49	Augmented reality during robot-assisted radical prostatectomy: expert robotic surgeons' on-the-spot insights after live surgery. <i>Minerva Urology and Nephrology</i> , 2018, 70, 226-229.	1.3	14
50	3D-printed models and virtual reality as new tools for image-guided robot-assisted nephron-sparing surgery. <i>Current Opinion in Urology</i> , 2020, 30, 55-64.	0.9	14
51	Beyond the Learning Curve of Prostate MRI/TRUS Target Fusion Biopsy after More than 1000 Procedures. <i>Urology</i> , 2021, 155, 39-45.	0.5	14
52	Implementing telemedicine for the management of benign urologic conditions: a single centre experience in Italy. <i>World Journal of Urology</i> , 2021, 39, 3109-3115.	1.2	13
53	A systematic review of nerve-sparing surgery for high-risk prostate cancer. <i>Minerva Urology and Nephrology</i> , 2021, 73, 283-291.	1.3	13
54	Artificial intelligence for target prostate biopsy outcomes prediction the potential application of fuzzy logic. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 359-362.	2.0	13

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55	A Nomogram for the Prediction of Intermediate Significant Renal Function Loss After Robot-assisted Partial Nephrectomy for Localized Renal Tumors: A Prospective Multicenter Observational Study (RECORD2 Project). <i>European Urology Focus</i> , 2022, 8, 980-987.	1.6	12
56	Laparoscopic simple prostatectomy: complications and functional results after five years of follow-up. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 498-504.	3.9	12
57	The role of additional standard biopsy in the MRI-targeted biopsy era. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2020, 72, 637-639.	3.9	12
58	Three-dimensional Model Reconstruction: The Need for Standardization to Drive Tailored Surgery. <i>European Urology</i> , 2022, 81, 129-131.	0.9	12
59	Robotic partial nephrectomy in 3D virtual reconstructions era: is the paradigm changed?. <i>World Journal of Urology</i> , 2022, 40, 659-670.	1.2	12
60	Robot-assisted-radical-cystectomy with total intracorporeal Y neobladder: Analysis of postoperative complications and functional outcomes with urodynamics findings. <i>European Journal of Surgical Oncology</i> , 2022, 48, 694-702.	0.5	12
61	Retroperitoneal versus transepitoneal robot-assisted partial nephrectomy for postero-lateral renal masses: an international multicenter analysis. <i>World Journal of Urology</i> , 2021, 39, 4175-4182.	1.2	11
62	Percutaneous puncture during PCNL: new perspective for the future with virtual imaging guidance. <i>World Journal of Urology</i> , 2022, 40, 639-650.	1.2	11
63	The impact of 3D models on positive surgical margins after robot-assisted radical prostatectomy. <i>World Journal of Urology</i> , 2022, 40, 2221-2229.	1.2	11
64	Current Status of Three-Dimensional Laparoscopy in Urology: An ESUT Systematic Review and Cumulative Analysis. <i>Journal of Endourology</i> , 2018, 32, 1021-1027.	1.1	10
65	Selective clamping during laparoscopic partial nephrectomy: the use of near infrared fluorescence guidance. <i>Minerva Urologica and Nephrology</i> , 2018, 70, 326-332.	1.3	10
66	Total anatomical reconstruction during robot-assisted radical prostatectomy in patients with previous prostate surgery. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2019, 71, 605-611.	3.9	9
67	Parenchymal Mass Preserved after Partial Nephrectomy and "Global Renal Damage": Two Faces of the Same Coin. <i>European Urology Oncology</i> , 2019, 2, 104-105.	2.6	8
68	Inteligencia artificial y simulaci3n en urologÃa. <i>Actas UrolÃgicas EspaÃolas</i> , 2021, 45, 524-529.	0.3	8
69	Repurposing of drugs for COVID-19: a systematic review and meta-analysis. <i>Panminerva Medica</i> , 2022, 64, .	0.2	8
70	Comparing Image-guided targeted Biopsies to Radical Prostatectomy Specimens for Accurate Characterization of the Index Tumor in Prostate Cancer. <i>Anticancer Research</i> , 2018, 38, 3043-3047.	0.5	8
71	Development of a novel nomogram to identify the candidate to extended pelvic lymph node dissection in patients who underwent mpMRI and target biopsy only. <i>Prostate Cancer and Prostatic Diseases</i> , 2023, 26, 388-394.	2.0	8
72	Robotic-assisted Partial Nephrectomy for "Very Small" (<2 cm) Renal Mass: Results of a Multicenter Contemporary Cohort. <i>European Urology Focus</i> , 2021, 7, 1115-1120.	1.6	7

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73	Urology Residency Training at the Time of COVID-19 in Italy: 1 Year After the Beginning. <i>European Urology Open Science</i> , 2021, 31, 37-40.	0.2	7
74	Treatment of Ureteral Stent-Related Symptoms. <i>Urologia Internationalis</i> , 2023, 107, 288-303.	0.6	7
75	Robot-assisted Simple Prostatectomy Is Better than Endoscopic Enucleation of the Prostate. <i>European Urology Focus</i> , 2022, 8, 368-370.	1.6	7
76	Identification of Recurrent Anatomical Clusters Using Three-dimensional Virtual Models for Complex Renal Tumors with an Imperative Indication for Nephron-sparing Surgery: New Technological Tools for Driving Decision-making. <i>European Urology Open Science</i> , 2022, 38, 60-66.	0.2	7
77	Exploring the residents' perspective on smart learning modalities and contents for virtual urology education: Lesson learned during the COVID-19 pandemic. <i>Actas Urológicas Españolas (English Edition)</i> 10.1016/j.uro.2022.11.024. <i>European Urology</i> , 2022, 77, e163-e164.	0.7	7
78	Functional and sexual outcomes recovery after simple prostatectomy: the past, the present, the future of the surgical technique. <i>Minerva Urology and Nephrology</i> , 2021, 73, 554-556.	1.3	6
79	Partial vs. radical nephrectomy in non-metastatic pT3a kidney cancer patients: a population-based study. <i>Minerva Urology and Nephrology</i> , 2022, 74, .	1.3	6
80	Non-linear-Optimization Using SQP for 3D Deformable Prostate Model Pose Estimation in Minimally Invasive Surgery. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 477-496.	0.5	5
81	Perspectiva de los pacientes sobre el uso de la telemedicina en las consultas urológicas ambulatorias: aprendiendo de la pandemia del COVID-19. <i>Actas Urológicas Españolas</i> , 2020, 44, 637-638.	0.3	5
82	Reply to Mengda Zhang and Long Wang's Letter to the Editor re: Francesco Porpiglia, Enrico Checcucci, Daniele Amparore, et al. Three-dimensional Augmented Reality Robot-assisted Partial Nephrectomy in Case of Complex Tumours (PADUA): A New Intraoperative Tool Overcoming the 0.9 Ultrasound Guidance. <i>Eur Urol</i> . In press. https://doi.org/10.1016/j.eururo.2019.11.024 . <i>European Urology</i> , 2020, 77, e163-e164.	0.9	5
83	Comment on: "Emerging minimally invasive transurethral treatments for benign prostatic hyperplasia: a systematic review with meta-analysis of functional outcomes and description of complications". <i>Minerva Urology and Nephrology</i> , 2022, 74, .	1.3	5
84	Three-dimensional augmented reality transperitoneal robot assisted partial nephrectomy (3d ar-rapn): A new tool to identify the hidden tumours. <i>European Urology Supplements</i> , 2019, 18, e2690.	0.1	4
85	Prospective evaluation of urinary steroids and prostate carcinoma-induced deviation: preliminary results. <i>Minerva Urology and Nephrology</i> , 2021, 73, 98-106.	1.3	4
86	The real-time intraoperative guidance of the new HIFU Focal-One® platform allows to minimize the perioperative adverse events in salvage setting. <i>Journal of Ultrasound</i> , 2022, 25, 225-232.	0.7	4
87	Subtotal ureteral substitution with ileum for patients with multiple ureteral stenosis. <i>Translational Andrology and Urology</i> , 2020, 9, 971-976.	0.6	4
88	Naive patients with suspicious prostate cancer and positive multiparametric magnetic resonance imaging (mp-MRI): is it time for fusion target biopsy alone?. <i>Journal of Clinical Urology</i> , 0, , 205141582110237.	0.1	3
89	Anastomosis quality score during robot-assisted radical prostatectomy: a new simple tool to maximize postoperative management. <i>World Journal of Urology</i> , 2021, 39, 2921-2928.	1.2	2
90	Artificial intelligence and simulation in urology. <i>Actas Urológicas Españolas (English Edition)</i> , 2021, 45, 524-529.	0.2	2

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91	The role of side-specific biopsy and dominant tumor location at radical prostatectomy in predicting the side of nodal metastases in organ confined prostate cancer: is lymphatic spread really unpredictable?. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2019, 71, 146-153.	3.9	2
92	Reply to Marc A. Bjurlin, Lee C. Zhao, and Michael D. Stifelman's Letter to the Editor Re: NicolÃ² Maria Buffi, Giovanni Lughezzani, Rodolfo Hurle, et al. Robot-assisted Surgery for Benign Ureteral Strictures: Experience and Outcomes from Four Tertiary Care Institutions. <i>Eur Urol</i> . In press. http://dx.doi.org/10.1016/j.eururo.2016.07.022 . <i>European Urology</i> , 2017, 71, e92-e93.	0.9	1
93	Reply to Vincenzo Ficarra, Giuseppe Mucciardi, and Gianluca Giannarini's Letter to the Editor re: Riccardo Campi, Daniele Amparore, Umberto Capitanio, et al. Assessing the Burden of Nondeferrable Major Uro-oncologic Surgery to Guide Prioritisation Strategies During the COVID-19 Pandemic: Insights from Three Italian High-volume Referral Centres. <i>Eur Urol</i> 2020;78:11-15. <i>European Urology</i> , 2020, 78, e169-e170.	0.9	1
94	The revolution of congress meetings and scientific events: how to navigate among their heterogeneous modalities?. <i>Minerva Urology and Nephrology</i> , 2021, 73, 3-5.	1.3	1
95	V04-01- KIDNEY STONES SURGICAL TREATMENT WITH 3 D MIXED REALITY ASSISTANCE FOR PERCUTANEOUS PUNCTURE. <i>Journal of Urology</i> , 2020, 203, e387.	0.2	1
96	Comment on: "Fusion US/MRI prostate biopsy using a computer aided diagnostic (CAD) system". <i>Minerva Urology and Nephrology</i> , 2021, 73, 686-688.	1.3	1
97	Diagnostic performance of fusion (US/MRI guided) prostate biopsy: propensity score matched comparison of elastic versus rigid fusion system. <i>World Journal of Urology</i> , 2022, 40, 991.	1.2	1
98	Are nephrometry scores enough to select patients really fit for nephron sparing surgery?. <i>Annals of Translational Medicine</i> , 2019, 7, S217-S217.	0.7	0
99	Comment on: "Predictive factors for opioid-free management after robotic radical prostatectomy: the value of a single-port robotic platform". <i>Minerva Urology and Nephrology</i> , 2021, 73, 677-679.	1.3	0
100	Functional Results after First- and Second-Generation Temporary Implantable Nitinol Device (TIND) for BPH: A Narrative Review of the Literature. <i>Current Bladder Dysfunction Reports</i> , 0, , 1.	0.2	0
101	Step by step three-dimensional virtual models assistance in case of complex robotic partial nephrectomies. <i>Urology Video Journal</i> , 2022, 14, 100141.	0.1	0