Prokar Dasgupta

List of Publications by Citations

300 papers	8,440 citations	50 h-index	82 g-index
340 ext. papers	10,323 ext. citations	4.6 avg, IF	6.31 L-index

#	Paper	IF	Citations
300	State-of-the-Art in Force and Tactile Sensing for Minimally Invasive Surgery. *IEEE Sensors Journal*, **2008**, 8, 371-381	4	365
299	Soft Robotics Technologies to Address Shortcomings in Today's Minimally Invasive Surgery: The STIFF-FLOP Approach. *Soft Robotics*, **2014**, 1, 122-131	9.2	314
298	Proposed mechanism for the efficacy of injected botulinum toxin in the treatment of human detrusor overactivity. *European Urology*, **2006**, 49, 644-50	10.2	250
297	Recommendations on the use of botulinum toxin in the treatment of lower urinary tract disorders and pelvic floor dysfunctions: a European consensus report. *European Urology*, **2009**, 55, 100-19	10.2	217
296	Analysis of intracorporeal compared with extracorporeal urinary diversion after robot-assisted radical cystectomy: results from the International Robotic Cystectomy Consortium. *European Urology*, **2014**, 65, 340-7	10.2	196
295	A comparison between the response of patients with idiopathic detrusor overactivity and neurogenic detrusor overactivity to the first intradetrusor injection of botulinum-A toxin. *Journal of Urology*, **2005**, 174, 984-9	2.5	183
294	The learning curve of robot-assisted radical cystectomy: results from the International Robotic Cystectomy Consortium. *European Urology*, **2010**, 58, 197-202	10.2	176
293	A Single-centre Early Phase Randomised Controlled Three-arm Trial of Open, Robotic, and Laparoscopic Radical Cystectomy (CORAL). *European Urology*, **2016**, 69, 613-621	10.2	166
292	Miniature 3-Axis Distal Force Sensor for Minimally Invasive Surgical Palpation. *IEEE/ASME Transactions on Mechatronics*, **2012**, 17, 646-656	5.5	162
291	Contemporary management of lower urinary tract disease with botulinum toxin A: a systematic review of botox (onabotulinumtoxinA) and dysport (abobotulinumtoxinA). *European Urology*, **2011**, 60, 784-95	10.2	151
290	Robotic-assisted laparoscopic radical cystectomy with extracorporeal urinary diversion: initial experience. *European Urology*, **2008**, 54, 570-80	10.2	139
289	Robot-assisted Versus Open Radical Prostatectomy: A Contemporary Analysis of an All-payer Discharge Database. *European Urology*, **2016**, 70, 837-845	10.2	138
288	Learning curves for urological procedures: a systematic review. *BJU International*, **2014**, 114, 617-29	5.6	132
287	An updated systematic review and statistical comparison of standardised mean outcomes for the use of botulinum toxin in the management of lower urinary tract disorders. *European Urology*, **2014** , 65, 981-90	10.2	122
286	Botulinum injections for the treatment of bladder symptoms of multiple sclerosis. *Annals of Neurology*, **2007**, 62, 452-7	9.4	115
285	Pilot Validation Study of the European Association of Urology Robotic Training Curriculum. *European Urology*, **2015**, 68, 292-9	10.2	112
284	Long-term oncologic outcomes following robot-assisted radical cystectomy: results from the International Robotic Cystectomy Consortium. *European Urology*, **2015**, 68, 721-8	10.2	111

283	The role of laparoscopic and robotic cystectomy in the management of muscle-invasive bladder cancer with special emphasis on cancer control and complications. *European Urology*, **2011**, 60, 767-75	10.2	111
282	Future of robotic surgery in urology. *BJU International*, **2017**, 120, 822-841	5.6	105
281	Measuring the surgical 'learning curve': methods, variables and competency. *BJU International*, **2014**, 113, 504-8	5.6	103
280	Surgical margin status after robot assisted radical cystectomy: results from the International Robotic Cystectomy Consortium. *Journal of Urology*, **2010**, 184, 87-91	2.5	97
279	Repeated botulinum toxin type A injections for refractory overactive bladder: medium-term outcomes, safety profile, and discontinuation rates. *European Urology*, **2012**, 61, 834-9	10.2	94
278	Development of a standardised training curriculum for robotic surgery: a consensus statement from an international multidisciplinary group of experts. *BJU International*, **2015**, 116, 93-101	5.6	94
277	Quality of life changes in patients with neurogenic versus idiopathic detrusor overactivity after intradetrusor injections of botulinum neurotoxin type A and correlations with lower urinary tract symptoms and urodynamic changes. *European Urology*, **2006**, 49, 528-35	10.2	94
276	Development and implementation of centralized simulation training: evaluation of feasibility, acceptability and construct validity. *BJU International*, **2013**, 111, 518-23	5.6	93
275	The Rise of Altmetrics. *JAMA - Journal of the American Medical Association*, **2017**, 317, 131-132	27.4	92
274	Development and validation of 3D printed virtual models for robot-assisted radical prostatectomy and partial nephrectomy: urologists' and patients' perception. *World Journal of Urology*, **2018**, 36, 201-207	4	91
273	Enhanced Recovery After Robot-assisted Radical Cystectomy: EAU Robotic Urology Section Scientific Working Group Consensus View. *European Urology*, **2016**, 70, 649-660	10.2	90
272	Implementation of Tactile Sensing for Palpation in Robot-Assisted Minimally Invasive Surgery: A Review. *IEEE Sensors Journal*, **2014**, 14, 2490-2501	4	89
271	Design of a variable stiffness flexible manipulator with composite granular jamming and membrane coupling **2012**,		88
270	A review of wearable technology in medicine. *Journal of the Royal Society of Medicine*, **2016**, 109, 372-380	2.3	80
269	An over-view of robot assisted surgery curricula and the status of their validation. *International Journal of Surgery*, **2015**, 13, 115-123	7.5	78
268	Analysis of early complications of robotic-assisted radical cystectomy using a standardized reporting system. *Urology*, **2011**, 77, 357-62	1.6	78
267	Effectiveness of procedural simulation in urology: a systematic review. *Journal of Urology*, **2011**, 186, 26-34	2.5	77
266	Lymphadenectomy at the time of robot-assisted radical cystectomy: results from the International Robotic Cystectomy Consortium. *BJU International*, **2011**, 107, 642-6	5.6	77

265	Outcomes of Robot-assisted Partial Nephrectomy for Clinical T2 Renal Tumors: A Multicenter Analysis (ROSULA Collaborative Group). *European Urology*, **2018**, 74, 226-232	10.2	73
264	Slowdown of urology residents' learning curve during the COVID-19 emergency. *BJU International*, **2020**, 125, E15-E17	5.6	72
263	Simulation-based training and assessment in urological surgery. *Nature Reviews Urology*, **2016**, 13, 503-19	5.5	68
262	Robotic Granular Jamming: Does the Membrane Matter?. *Soft Robotics*, **2014**, 1, 192-201	9.2	67
261	Training Tools for Nontechnical Skills for Surgeons-A Systematic Review. *Journal of Surgical Education*, **2017**, 74, 548-578	3.4	63
260	A novel cadaveric simulation program in urology. *Journal of Surgical Education*, **2015**, 72, 556-65	3.4	58
259	Long-term outcomes of robot-assisted radical cystectomy for bladder cancer. *European Urology*, **2013**, 64, 219-24	10.2	58
258	Retzius-sparing robot-assisted radical prostatectomy vs the standard approach: a systematic review and analysis of comparative outcomes. *BJU International*, **2020**, 125, 8-16	5.6	57
257	The Internet of Skills: use of fifth-generation telecommunications, haptics and artificial intelligence in robotic surgery. *BJU International*, **2018**, 122, 356-358	5.6	57
256	An overview of the use and implementation of checklists in surgical specialities - a systematic review. *International Journal of Surgery*, **2014**, 12, 1317-23	7.5	56
255	Structured and Modular Training Pathway for Robot-assisted Radical Prostatectomy (RARP): Validation of the RARP Assessment Score and Learning Curve Assessment. *European Urology*, **2016**, 69, 526-35	10.2	55
254	Artificial intelligence and neural networks in urology: current clinical applications. *Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology*, **2020**, 72, 49-57	4.4	54
253	Simulation-based training for prostate surgery. *BJU International*, **2015**, 116, 665-74	5.6	52
252	Current Status of Simulation and Training Models in Urological Surgery: A Systematic Review. *Journal of Urology*, **2016**, 196, 312-20	2.5	51
251	Face, content and construct validity of a virtual reality simulator for robotic surgery (SEP Robot). *Annals of the Royal College of Surgeons of England*, **2011**, 93, 152-6	1.4	50
250	PADUA and R.E.N.A.L. nephrometry scores correlate with perioperative outcomes of robot-assisted partial nephrectomy: analysis of the Vattikuti Global Quality Initiative in Robotic Urologic Surgery (GQI-RUS) database. *BJU International*, **2017**, 119, 456-463	5.6	48
249	Full immersion simulation: validation of a distributed simulation environment for technical and non-technical skills training in Urology. *BJU International*, **2015**, 116, 156-62	5.6	47
248	Effectiveness of the HoloLens mixed-reality headset in minimally invasive surgery: a simulation-based feasibility study. *Surgical Endoscopy and Other Interventional Techniques*, **2020**, 34, 1143-1149	5.2	47

247	Current status of artificial intelligence applications in urology and their potential to influence clinical practice. *BJU International*, **2019**, 124, 567	5.6	46
246	A systematic review of simulation-based training tools for technical and non-technical skills in ophthalmology. *Eye*, **2020**, 34, 1737-1759	4.4	46
245	The Relationship Between Technical And Nontechnical Skills Within A Simulation-Based Ureteroscopy Training Environment. *Journal of Surgical Education*, **2015**, 72, 1039-44	3.4	44
244	Trans-rectal ultrasound visibility of prostate lesions identified by magnetic resonance imaging increases accuracy of image-fusion targeted biopsies. *World Journal of Urology*, **2015**, 33, 1669-76	4	43
243	Assessment and maintenance of competence in urology. *Nature Reviews Urology*, **2010**, 7, 403-13	5.5	43
242	Simulation-based ureteroscopy skills training curriculum with integration of technical and non-technical skills: a randomised controlled trial. *Surgical Endoscopy and Other Interventional Techniques*, **2015**, 29, 2728-35	5.2	42
241	Technology insight: telementoring and telesurgery in urology. *Nature Reviews Urology*, **2006**, 3, 611-7		41
240	Simulation-based ureteroscopy training: a systematic review. *Journal of Surgical Education*, **2015**, 72, 135-43	3.4	40
239	Validation of the RobotiX Mentor Robotic Surgery Simulator. *Journal of Endourology*, **2016**, 30, 338-46	2.7	39
238	Management of ureteropelvic junction obstruction in adults. *Nature Reviews Urology*, **2014**, 11, 629-38	5.5	39
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236	Robotic urological surgery: a perspective. *BJU International*, **2005**, 95, 20-3	5.6	37
235	The history of robotics in urology. *World Journal of Urology*, **2006**, 24, 120-7	4	35
234	Salvage Radical Prostatectomy for Recurrent Prostate Cancer: Morbidity and Functional Outcomes from a Large Multicenter Series of Open versus Robotic Approaches. *Journal of Urology*, **2019**, 202, 725-731	2.5	34
233	Early Oncologic Failure after Robot-Assisted Radical Cystectomy: Results from the International Robotic Cystectomy Consortium. *Journal of Urology*, **2017**, 197, 1427-1436	2.5	32
232	Nontechnical Skills in Surgery: A Systematic Review of Current Training Modalities. *Journal of Surgical Education*, **2019**, 76, 14-24	3.4	32
231	Development and validation of a tool for non-technical skills evaluation in robotic surgery-the ICARS system. *Surgical Endoscopy and Other Interventional Techniques*, **2017**, 31, 5403-5410	5.2	32
230	Long-term Oncological Outcomes from an Early Phase Randomised Controlled Three-arm Trial of Open, Robotic, and Laparoscopic Radical Cystectomy (CORAL). *European Urology*, **2020**, 77, 110-118	10.2	32

229	The current status of robot-assisted radical prostatectomy. *Asian Journal of Andrology*, **2009**, 11, 90-3	2.8	31
228	Prostate Cancer: The Role of Inflammation and Chemokines. *American Journal of Pathology*, **2019**, 189, 2119-2137	5.8	30
227	The role of simulation in urological training - A quantitative study of practice and opinions. *Journal of the Royal College of Surgeons of Edinburgh*, **2016**, 14, 301-307	2.5	29
226	Palpation force modulation strategies to identify hard regions in soft tissue organs. *PLoS ONE*, **2017**, 12, e0171706	3.7	29
225	Retroperitoneal Robotic Partial Nephrectomy: Systematic Review and Cumulative Analysis of Comparative Outcomes. *Journal of Endourology*, **2018**, 32, 591-596	2.7	29
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223	Training in minimally invasive surgery in urology: European Association of Urology/International Consultation of Urological Diseases consultation. *BJU International*, **2016**, 117, 515-30	5.6	29
222	Tablet based simulation provides a new solution to accessing laparoscopic skills training. *Journal of Surgical Education*, **2013**, 70, 161-3	3.4	27
221	Cognitive training: How can it be adapted for surgical education?. *Journal of the Royal College of Surgeons of Edinburgh*, **2017**, 15, 231-239	2.5	27
220	Society of Robotic Surgery review: recommendations regarding the risk of COVID-19 transmission during minimally invasive surgery. *BJU International*, **2020**, 126, 225-234	5.6	26
219	Face and content validation of the prostatic hyperplasia model and holmium laser surgery simulator. *Journal of Surgical Education*, **2014**, 71, 339-44	3.4	26
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217	A randomized controlled trial of human versus robotic and telerobotic access to the kidney as the first step in percutaneous nephrolithotomy. *Computer Aided Surgery*, **2005**, 10, 165-71		26
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214	The effectiveness of Google GLASS as a vital signs monitor in surgery: A simulation study. *International Journal of Surgery*, **2016**, 36, 293-297	7.5	25
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210	Current applications of three-dimensional printing in urology. *BJU International*, **2020**, 125, 17-27	5.6	23
209	Current status of simulation-based training in pediatric surgery: A systematic review. *Journal of Pediatric Surgery*, **2019**, 54, 1884-1893	2.6	23
208	Extending the lifespan and efficacies of immune cells used in adoptive transfer for cancer immunotherapies-A review. *OncoImmunology*, **2015**, 4, e1002720	7.2	22
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206	Mental training in surgical education: a systematic review. *ANZ Journal of Surgery*, **2017**, 87, 873-878	1	21
205	Using visual cues to enhance haptic feedback for palpation on virtual model of soft tissue. *Medical and Biological Engineering and Computing*, **2015**, 53, 1177-86	3.1	21
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203	Transition from open to robotic-assisted radical prostatectomy. *BJU International*, **2008**, 101, 667-8	5.6	21
202	Robotic urology in the UK: establishing a programme and emerging role. *BJU International*, **2005**, 95, 723-4	5.6	21
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192	Holmium Laser Enucleation of the Prostate: Simulation-Based Training Curriculum and Validation. *Urology*, **2015**, 86, 639-46	1.6	18
191	Male circumcision for the prevention of human immunodeficiency virus (HIV) acquisition: a meta-analysis. *BJU International*, **2018**, 121, 515-526	5.6	18
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189	Competency based training in robotic surgery: benchmark scores for virtual reality robotic simulation. *BJU International*, **2017**, 119, 804-811	5.6	18
188	A Systematic Review of Simulation-Based Training in Neurosurgery, Part 1: Cranial Neurosurgery. *World Neurosurgery*, **2020**, 133, e850-e873	2.1	18
187	Cost effectiveness and robot-assisted urologic surgery: does it make dollars and sense?. *Minerva Urology and Nephrology*, **2017**, 69, 313-323	2.3	17
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183	PAK5 mediates cell: cell adhesion integrity via interaction with E-cadherin in bladder cancer cells. *Biochemical Journal*, **2017**, 474, 1333-1346	3.8	16
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179	The vaccine journey for COVID-19: a comprehensive systematic review of current clinical trials in humans. *Panminerva Medica*, **2020**,	2	16
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175	Technical innovations to optimize continence recovery after robotic assisted radical prostatectomy. *Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology*, **2019**, 71, 324-338	4.4	15
174	Morphological Computation of Haptic Perception of a Controllable Stiffness Probe. *PLoS ONE*, **2016**, 11, e0156982	3.7	15
173	Learning Curves in Urolithiasis Surgery: A Systematic Review. *Journal of Endourology*, **2018**, 32, 1008-1020	2.7	14
172	Robot-assisted radical cystectomy with intracorporeal urinary diversion - The new 'gold standard'? Evidence from a systematic review. *Arab Journal of Urology Arab Association of Urology*, **2018**, 16, 307-313	1.7	14
171	Outcomes of robotic assisted radical prostatectomy. *International Journal of Urology*, **2009**, 16, 244-8	2.3	14
170	Coming full circle in robotic urology. *BJU International*, **2006**, 98, 4-5	5.6	14
169	Depression, anxiety, and suicidality in patients with prostate cancer: a systematic review and meta-analysis of observational studies. *Prostate Cancer and Prostatic Diseases*, **2021**, 24, 281-289	6.2	14
168	Simulation in Urological Training and Education (SIMULATE): Protocol and curriculum development of the first multicentre international randomized controlled trial assessing the transferability of simulation-based surgical training. *BJU International*, **2020**, 126, 202-211	5.6	13
167	European Association of Urology Section of Urolithiasis (EULIS) Consensus Statement on Simulation, Training, and Assessment in Urolithiasis. *European Urology Focus*, **2018**, 4, 614-620	5.1	13
166	Urology training: past, present and future. *BJU International*, **2012**, 109, 1444-8	5.6	13
165	Robot-assisted partial nephrectomy in cystic tumours: analysis of the Vattikuti Global Quality Initiative in Robotic Urologic Surgery (GQI-RUS) database. *BJU International*, **2016**, 117, 642-7	5.6	13
164	Training Modalities in Robot-assisted Urologic Surgery: A Systematic Review. *European Urology Focus*, **2017**, 3, 102-116	5.1	12
163	Current status and effectiveness of mentorship programmes in urology: a systematic review. *BJU International*, **2015**, 116, 487-94	5.6	12
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156	Prostate cancer cells enhance interleukin-15-mediated expansion of NK cells. *BJU International*, **2020**, 125, 89-102	5.6	12
155	Impact of suboptimal neoadjuvant chemotherapy on peri-operative outcomes and survival after robot-assisted radical cystectomy: a multicentre multinational study. *BJU International*, **2017**, 119, 605-611	5.6	11
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144	Body image, self-esteem, and sense of masculinity in patients with prostate cancer: a qualitative meta-synthesis. *Journal of Cancer Survivorship*, **2021**, 1	5.1	9
143	A Systematic Review of Simulation-Based Training in Neurosurgery, Part 2: Spinal and Pediatric Surgery, Neurointerventional Radiology, and Nontechnical Skills. *World Neurosurgery*, **2020**, 133, e874-e892	2.1	9
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141	Weighing the evidence from surgical trials. *BJU International*, **2017**, 119, 659-660	5.6	8
140	Validation of the Advanced Scope Trainer for Flexible Ureterorenoscopy Training. *Urology*, **2017**, 110, 45-50	1.6	8

139	A randomized controlled trial of human versus robotic and telerobotic access to the kidney as the first step in percutaneous nephrolithotomy		8
138	Utilising an Accelerated Delphi Process to Develop Guidance and Protocols for Telepresence Applications in Remote Robotic Surgery Training. *European Urology Open Science*, **2020**, 22, 23-33	0.9	8
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131	Robotically assisted laparoscopic pyeloplasty. *BJU International*, **2008**, 102, 136-51	5.6	7
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