

# Thorsten Bach

## List of Publications by Citations

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59  
papers

1,739  
citations

24  
h-index

41  
g-index

67  
ext. papers

2,109  
ext. citations

5.2  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
59	Enantioselective Lewis acid catalysis in intramolecular [2+2] photocycloaddition reactions of coumarins. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7782-5	16.4	118
58	Technical aspects of lasers in urology. <i>World Journal of Urology</i> , <b>2007</b> , 25, 221-5	4	109
57	RevoLix vaporessection of the prostate: initial results of 54 patients with a 1-year follow-up. <i>World Journal of Urology</i> , <b>2007</b> , 25, 257-62	4	103
56	Complications and early postoperative outcome in 1080 patients after thulium vapoenucleation of the prostate: results at a single institution. <i>European Urology</i> , <b>2013</b> , 63, 859-67	10.2	100
55	Laser treatment of benign prostatic obstruction: basics and physical differences. <i>European Urology</i> , <b>2012</b> , 61, 317-25	10.2	85
54	Thulium:YAG laser enucleation (VapoEnucleation) of the prostate: safety and durability during intermediate-term follow-up. <i>World Journal of Urology</i> , <b>2010</b> , 28, 39-43	4	74
53	Enantioselective Intermolecular [2+2] Photocycloaddition Reaction of Cyclic Enones and Its Application in a Synthesis of (-)-Grandisol. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 3228-3231	16.4	67
52	Thulium:YAG vapoenucleation in large volume prostates. <i>Journal of Urology</i> , <b>2011</b> , 186, 2323-7	2.5	58
51	Impact of preoperative ureteral stenting on stone-free rates of ureteroscopy for nephroureterolithiasis: a matched-paired analysis of 286 patients. <i>Urology</i> , <b>2012</b> , 80, 1214-9	1.6	57
50	Bladder neck incision using a 70 W 2 micron continuous wave laser (RevoLix). <i>World Journal of Urology</i> , <b>2007</b> , 25, 263-7	4	56
49	Current evidence for transurethral laser therapy of non-muscle invasive bladder cancer. <i>World Journal of Urology</i> , <b>2011</b> , 29, 433-42	4	51
48	Thulium:yttrium-aluminium-garnet laser prostatectomy in men with refractory urinary retention. <i>BJU International</i> , <b>2009</b> , 104, 361-4	5.6	51
47	Chromophore Activation of $\alpha,\beta$ -Unsaturated Carbonyl Compounds and Its Application to Enantioselective Photochemical Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14338-14349	16.4	49
46	Enantioselective Lewis Acid Catalyzed ortho Photocycloaddition of Olefins to Phenanthrene-9-carboxaldehydes. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14593-14596	16.4	48
45	70 vs 120 W thulium:yttrium-aluminium-garnet 2 microm continuous-wave laser for the treatment of benign prostatic hyperplasia: a systematic ex-vivo evaluation. <i>BJU International</i> , <b>2010</b> , 106, 368-72	5.6	47
44	Tm:YAG laser en bloc mucosectomy for accurate staging of primary bladder cancer: early experience. <i>World Journal of Urology</i> , <b>2011</b> , 29, 429-32	4	45
43	Effect of pulse energy, frequency and length on holmium:yttrium-aluminum-garnet laser fragmentation efficiency in non-floating artificial urinary calculi. <i>Journal of Endourology</i> , <b>2010</b> , 24, 1135-40	2.7	43

42	Transurethral anatomical enucleation of the prostate with Tm:YAG support (ThuLEP): review of the literature on a novel surgical approach in the management of benign prostatic enlargement. <i>World Journal of Urology</i> , <b>2015</b> , 33, 525-30	4	40
41	Rectourethral fistula after high-intensity focused ultrasound therapy for prostate cancer and its surgical management. <i>Urology</i> , <b>2011</b> , 77, 999-1004	1.6	40
40	Enantioselektive Lewis-Säure-Katalyse in intramolekularen [2+2]-Photocycloadditionen von Cumarinen. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 7948-7951	3.6	40
39	Technical solutions to improve the management of non-muscle-invasive transitional cell carcinoma: summary of a European Association of Urology Section for Uro-Technology (ESUT) and Section for Uro-Oncology (ESOU) expert meeting and current and future perspectives. <i>BJU International</i> , <b>2015</b> , 115, 14-23	5.6	38
38	Intramolecular [2+2] Photocycloaddition of Cyclic Enones: Selectivity Control by Lewis Acids and Mechanistic Implications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 8135-8148	4.8	31
37	120-W 2-µm thulium:yttrium-aluminium-garnet vapoenucleation of the prostate: 12-month follow-up. <i>BJU International</i> , <b>2012</b> , 110, 96-101	5.6	30
36	Current evidence for transurethral en bloc resection of non-muscle-invasive bladder cancer. <i>Minimally Invasive Therapy and Allied Technologies</i> , <b>2014</b> , 23, 206-13	2.1	26
35	Thulium:YAG VapoEnucleation of the prostate in large glands: a prospective comparison using 70- and 120-W 2-µm lasers. <i>Asian Journal of Andrology</i> , <b>2012</b> , 14, 325-9	2.8	24
34	Comparison of 120-200 W 2 µm thulium:yttrium-aluminum-garnet vapoenucleation of the prostate. <i>Journal of Endourology</i> , <b>2012</b> , 26, 224-9	2.7	22
33	Association of prostate size and perioperative morbidity in thulium:YAG vapoenucleation of the prostate. <i>Urologia Internationalis</i> , <b>2014</b> , 93, 22-8	1.9	21
32	New alternatives for laser vaporization of the prostate: experimental evaluation of a 980-, 1,318- and 1,470-nm diode laser device. <i>World Journal of Urology</i> , <b>2010</b> , 28, 181-6	4	21
31	Prospective assessment of perioperative course in 2648 patients after surgical treatment of benign prostatic obstruction. <i>World Journal of Urology</i> , <b>2017</b> , 35, 285-292	4	20
30	Lewis Acid Catalyzed Enantioselective Photochemical Rearrangements on the Singlet Potential Energy Surface. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 20053-20057	16.4	19
29	Chromophoraktivierung von ungesättigten Carbonylverbindungen und ihre Anwendung in enantioselektiven Photoreaktionen. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14536-14547	3.6	19
28	Factors predicting for formation of bladder outlet obstruction after high-intensity focused ultrasound in treatment of localized prostate cancer. <i>Urology</i> , <b>2008</b> , 71, 863-7	1.6	17
27	Operative time comparison of aquablation, greenlight PVP, ThuLEP, GreenLEP, and HoLEP. <i>World Journal of Urology</i> , <b>2020</b> , 38, 3227-3233	4	15
26	Objective assessment of working tool impact on irrigation flow and visibility in flexible ureterorenoscopes. <i>Journal of Endourology</i> , <b>2011</b> , 25, 1125-9	2.7	15
25	Standardized comparison of prostate morcellators using a new ex-vivo model. <i>Journal of Endourology</i> , <b>2012</b> , 26, 697-700	2.7	14

24	Enantioselective Lewis-S�re-katalysierte ortho-Photocycloaddition von Phenanthren-9-carbaldehyden. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14801-14805	3.6	14
23	Retrograde blind endoureterotomy for subtotal ureteral strictures: a new technique. <i>Journal of Endourology</i> , <b>2008</b> , 22, 2565-70	2.7	13
22	Transfusion rates after 800 Aquablation procedures using various haemostasis methods. <i>BJU International</i> , <b>2020</b> , 125, 568-572	5.6	11
21	First Multi-Center All-Comers Study for the Aquablation Procedure. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	10
20	Tissue damage by laser radiation: an in vitro comparison between Tm:YAG and Ho:YAG laser on a porcine kidney model. <i>SpringerPlus</i> , <b>2016</b> , 5, 266		10
19	Vaporization vs. enucleation techniques for BPO: do we have a standard?. <i>Current Opinion in Urology</i> , <b>2015</b> , 25, 45-52	2.8	9
18	TURP in patients with biopsy-proven prostate cancer: sensitivity for cancer detection. <i>Urology</i> , <b>2009</b> , 73, 100-4	1.6	9
17	Bipolar resection of the bladder and prostate--initial experience with a newly developed regular sized loop resectoscope. <i>Journal of Medicine and Life</i> , <b>2009</b> , 2, 443-6	1.5	8
16	Reversal of reaction type selectivity by Lewis acid coordination: the photocycloaddition of 1- and 2-naphthaldehyde. <i>Chemical Science</i> , <b>2019</b> , 10, 8566-8570	9.4	5
15	Insertion sheaths prevent breakage of flexible ureteroscopes due to laser fiber passage: a video-endoluminal study of the working channel. <i>Journal of Endourology</i> , <b>2010</b> , 24, 1747-51	2.7	5
14	Activation of 2-Cyclohexenone by BF Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 10155-10163	16.4	5
13	Efficacy and safety of aquablation of the prostate for patients with symptomatic benign prostatic enlargement: a systematic review. <i>World Journal of Urology</i> , <b>2020</b> , 38, 1147-1163	4	5
12	Radiopaque laser fiber for holmium: yttrium-aluminum-garnet laser lithotripsy: critical evaluation. <i>Journal of Endourology</i> , <b>2012</b> , 26, 722-5	2.7	4
11	Reasons to overthrow TURP: bring on Aquablation. <i>World Journal of Urology</i> , <b>2021</b> , 39, 2291-2299	4	4
10	1917 VAPOENUCLEATION OF THE PROSTATE USING THE THULIUM:YAG 2 MICRON CW LASER IN HIGH-RISK PATIENTS. <i>Journal of Urology</i> , <b>2010</b> , 183,	2.5	3
9	Enantioselective crossed intramolecular [2+2] photocycloaddition reactions mediated by a chiral chelating Lewis acid.. <i>Chemical Science</i> , <b>2022</b> , 13, 2378-2384	9.4	2
8	Activation of 2-Cyclohexenone by BF <sub>3</sub> Coordination: Mechanistic Insights from Theory and Experiment. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 10243-10251	3.6	2
7	Superiority of the EF-120-00-3F biopsy forceps in the histopathological evaluation of upper urinary tract specimens. <i>World Journal of Urology</i> , <b>2014</b> , 32, 931-8	4	1

- 6 Meta-analysis with individual data of functional outcomes following Aquablation for lower urinary tract symptoms due to BPH in various prostate anatomies.. *BMJ Surgery, Interventions, and Health Technologies*, **2021**, 3, e000090 1.2 0
- 5 Tm:YAG laser vapoenucleation (ThuVEP) [One-year follow-up in elderly patients. *Medical Laser Application: International Journal for Laser Treatment and Research*, **2011**, 26, 49-53
- 4 Benign Prostatic Hyperplasia (BPH) **2021**, 3-38
- 3 Ureterorenoskopie bei Urolithiasis **2016**, 525-537
- 2 Alternative Laser Energy Sources: Clinical Implications **2010**, 311-316
- 1 ENANTIOSELECTIVE PHOTOCHEMICAL [2+2] CYCLOADDITION REACTIONS **2022**, 355-384