

# Michael Boettcher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9561976/publications.pdf>

Version: 2024-02-01

72  
papers

1,411  
citations

516215

16  
h-index

377514

34  
g-index

80  
all docs

80  
docs citations

80  
times ranked

1842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intermuscular adipose tissue (IMAT): Association with other adipose tissue compartments and insulin sensitivity. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1340-1345.	1.9	160
2	Complex gastroschisis is a different entity to simple gastroschisis affecting morbidity and mortalityâ€”A systematic review and meta-analysis. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1527-1532.	0.8	121
3	Dual gene activation and knockout screen reveals directional dependencies in genetic networks. <i>Nature Biotechnology</i> , 2018, 36, 170-178.	9.4	120
4	Perivascular fatty tissue at the brachial artery is linked to insulin resistance but not to local endothelial dysfunction. <i>Diabetologia</i> , 2008, 51, 2093-2099.	2.9	79
5	Clinical Predictors of Testicular Torsion in Children. <i>Urology</i> , 2012, 79, 670-674.	0.5	74
6	Variations in <i>PPAR<math>\alpha</math></i> Determine the Change in Body Composition during Lifestyle Intervention: A Whole-Body Magnetic Resonance Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 1497-1500.	1.8	71
7	Clinical and sonographic features predict testicular torsion in children: a prospective study. <i>BJU International</i> , 2013, 112, 1201-1206.	1.3	62
8	Bridge helix arginines play a critical role in Cas9 sensitivity to mismatches. <i>Nature Chemical Biology</i> , 2020, 16, 587-595.	3.9	51
9	Being the Pillar for Children with Rare Diseasesâ€”A Systematic Review on Parental Quality of Life. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4993.	1.2	45
10	Differentiation of Epididymitis and Appendix Testis Torsion by Clinical and Ultrasound Signs in Children. <i>Urology</i> , 2013, 82, 899-904.	0.5	37
11	Therapeutic targeting of extracellular DNA improves the outcome of intestinal ischemic reperfusion injury in neonatal rats. <i>Scientific Reports</i> , 2017, 7, 15377.	1.6	37
12	NEC is likely a NETs dependent process and markers of NETosis are predictive of NEC in mice and humans. <i>Scientific Reports</i> , 2018, 8, 12612.	1.6	37
13	Therapeutic Targeting of Neutrophil Extracellular Traps Improves Primary and Secondary Intention Wound Healing in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 614347.	2.2	29
14	Evaluation of a new robotic-assisted laparoscopic surgical system for procedures in small cavities. <i>Journal of Robotic Surgery</i> , 2020, 14, 191-197.	1.0	26
15	Assessment of LED fluorescence microscopy for the diagnosis of <i>Plasmodium falciparum</i> infections in Gabon. <i>Malaria Journal</i> , 2011, 10, 194.	0.8	20
16	Degradation of Extracellular DNA by DNase1 Significantly Reduces Testicular Damage After Testicular Torsion in Rats. <i>Urology</i> , 2017, 109, 223.e1-223.e7.	0.5	20
17	Lithocholic bile acid induces apoptosis in human nephroblastoma cells: a non-selective treatment option. <i>Scientific Reports</i> , 2020, 10, 20349.	1.6	20
18	Gut inflammation and expression of ICC in a fetal lamb model of fetoscopic intervention for gastroschisis. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 2437-2442.	1.3	17

#	ARTICLE	IF	CITATIONS
19	Degradation of Extracellular DNA Significantly Ameliorates Necrotizing Enterocolitis Severity in Mice. <i>Journal of Surgical Research</i> , 2019, 235, 513-520.	0.8	17
20	Development of an improved murine model of necrotizing enterocolitis shows the importance of neutrophils in NEC pathogenesis. <i>Scientific Reports</i> , 2020, 10, 8049.	1.6	17
21	Modulation of Thrombosis Significantly Reduces Testicular Damage after Testicular Torsion in Rats: Anti-Thrombotic Treatment and Testicular Torsion. <i>Urology</i> , 2016, 88, 227.e1-227.e7.	0.5	15
22	The spaced learning concept significantly improves training for laparoscopic suturing: a pilot randomized controlled study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 154-159.	1.3	15
23	Tracing cellular heterogeneity in pooled genetic screens via multi-level barcoding. <i>BMC Genomics</i> , 2019, 20, 107.	1.2	15
24	Markers of neutrophil activation and extracellular traps formation are predictive of appendicitis in mice and humans: a pilot study. <i>Scientific Reports</i> , 2020, 10, 18240.	1.6	15
25	Process for an efficient lentiviral cell transduction. <i>Biology Methods and Protocols</i> , 2020, 5, bpaa005.	1.0	15
26	The Impact of Oral Sodium Chloride Supplementation on Thrive and the Intestinal Microbiome in Neonates With Small Bowel Ostomies: A Prospective Cohort Study. <i>Frontiers in Immunology</i> , 2020, 11, 1421.	2.2	14
27	Early prediction of complex midgut volvulus in neonates and infants. <i>Pediatric Surgery International</i> , 2014, 30, 579-586.	0.6	12
28	Quality of life and mental health of children with rare congenital surgical diseases and their parents during the COVID-19 pandemic. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 498.	1.2	12
29	Development of CAR T Cell Therapy in Children—A Comprehensive Overview. <i>Journal of Clinical Medicine</i> , 2022, 11, 2158.	1.0	12
30	Abdominal Wall Incision with or without Exteriorization of Bowel: Results from a Fetal Lamb Model for the Embryogenesis of Gastroschisis. <i>Fetal Diagnosis and Therapy</i> , 2013, 33, 55-60.	0.6	11
31	Midterm Outcome of Transumbilically Laparoscopic-Assisted Versus Laparoscopic and Open Appendectomy in Children—A Matched Prospective Study. <i>European Journal of Pediatric Surgery</i> , 2015, 25, 216-219.	0.7	11
32	The Modified Heidelberg and the AI Appendicitis Score Are Superior to Current Scores in Predicting Appendicitis in Children: A Two-Center Cohort Study. <i>Frontiers in Pediatrics</i> , 2020, 8, 592892.	0.9	11
33	Cardiac and Inflammatory Necrotizing Enterocolitis in Newborns Are Not the Same Entity. <i>Frontiers in Pediatrics</i> , 2020, 8, 593926.	0.9	11
34	Restoration of shoulder abduction function by direct muscular neurotization with the phrenic nerve fascicles and nerve grafts: A case report. <i>Microsurgery</i> , 2009, 29, 552-555.	0.6	10
35	The Heidelberg Appendicitis Score Simplifies Identification of Pediatric Appendicitis. <i>Indian Journal of Pediatrics</i> , 2016, 83, 1093-1097.	0.3	10
36	Publication status of completed registered studies in paediatric appendicitis: a cross-sectional analysis. <i>BMJ Open</i> , 2018, 8, e021684.	0.8	9

#	ARTICLE	IF	CITATIONS
37	Spaced Education Improves the Retention of Laparoscopic Suturing Skills: A Randomized Controlled Study. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 193-200.	0.7	9
38	Perceived mental health in parents of children with rare congenital surgical diseases: a double ABCX model considering gender. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 384.	1.2	9
39	cfDNA and DNases: New Biomarkers of Sepsis in Preterm Neonates – A Pilot Study. <i>Cells</i> , 2022, 11, 192.	1.8	9
40	The Heidelberg Appendicitis Score Predicts Perforated Appendicitis in Children. <i>Clinical Pediatrics</i> , 2017, 56, 1115-1119.	0.4	8
41	T cell cytokines in the diagnostic of early-onset sepsis. <i>Pediatric Research</i> , 2021, 90, 191-196.	1.1	8
42	The Inhibitory Effect of Curosurf® and Alveofact® on the Formation of Neutrophil Extracellular Traps. <i>Frontiers in Immunology</i> , 2020, 11, 582895.	2.2	8
43	Fetoscopic techniques for prenatal covering of gastroschisis in an ovine model are technically demanding and do not lead to permanent anchoring on the fetus until the end of gestation. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021, 35, 745-753.	1.3	7
44	An analysis of the care structure for congenital malformations in Germany. <i>Deutsches A&amp;#x0308;rztblatt International</i> , 2021, 118  processed the file. I'm wa, 601-602.	0.6	7
45	Classical but Not Rap Music Significantly Improves Transferability and Long-Term Acquisition of Laparoscopic Suturing Skills: A Randomized Controlled Trial. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 541-547.	0.7	6
46	The BAL-Score Almost Perfectly Predicts Testicular Torsion in Children: A Two-Center Cohort Study. <i>Frontiers in Pediatrics</i> , 2020, 8, 601892.	0.9	6
47	Markers of NETosis Do Not Predict Neonatal Early Onset Sepsis: A Pilot Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 555.	0.9	6
48	Small Bowel Obstruction After Neonatal Repair of Congenital Diaphragmatic Hernia – Incidence and Risk-Factors Identified in a Large Longitudinal Cohort-Study. <i>Frontiers in Pediatrics</i> , 2022, 10, .	0.9	6
49	Combination of Side-Swing Flap With Negative-Pressure Wound Therapy Is Superior to Open Excision or Flap Alone in Children With Pilonidal Sinus – But at What Cost?. <i>Frontiers in Pediatrics</i> , 2021, 9, 595684.	0.9	5
50	Time- and dose-dependent inhibition of neutrophil extracellular trap formation by blocking of the interleukin-1 receptor. <i>Central-European Journal of Immunology</i> , 2021, 46, 419-426.	0.4	5
51	Prenatal latex sensitization in patients with spina bifida: a pilot study. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 13, 291-294.	0.8	4
52	Using Artificial Intelligence to Obtain More Evidence? Prediction of Length of Hospitalization in Pediatric Burn Patients. <i>Frontiers in Pediatrics</i> , 2020, 8, 613736.	0.9	4
53	Traumatic Gallbladder Perforation in Children – Case Report and Review. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 889-897.	0.7	4
54	The Epidemiology behind Pectus Excavatum: Clinical Study and Review of the Literature. <i>European Journal of Pediatric Surgery</i> , 2022, 32, 316-320.	0.7	4

#	ARTICLE	IF	CITATIONS
55	Challenges of LC-MS/MS ethyl glucuronide analysis in abstinence monitoring of liver transplant candidates. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 1265-1270.	1.4	4
56	NET Release of Long-Term Surviving Neutrophils. <i>Frontiers in Immunology</i> , 2022, 13, 815412.	2.2	4
57	Rectum Perforation After Broomstick Impalement in a 17-Year-Old. <i>Pediatric Emergency Care</i> , 2013, 29, 510-512.	0.5	3
58	Training Significantly Improves Fetoscopy Performance: A Pilot Randomized Controlled Trial. <i>European Journal of Pediatric Surgery</i> , 2016, 26, 436-442.	0.7	3
59	The Spaced Learning Concept Significantly Improves Acquisition of Laparoscopic Suturing Skills in Students and Residents: A Randomized Control Trial. <i>European Journal of Pediatric Surgery</i> , 2021, 31, 518-524.	0.7	3
60	Lidocaine-Epinephrine-Tetracaine Gel Is More Efficient than Eutectic Mixture of Local Anesthetics and Mepivacaine Injection for Pain Control during Skin Repair in Children: A Prospective, Propensity Score Matched Two-Center Study. <i>European Journal of Pediatric Surgery</i> , 2020, 30, 512-516.	0.7	2
61	Markers of neutrophil activation and extracellular trap formation predict appendicitis. <i>Surgery</i> , 2022, 171, 312-319.	1.0	2
62	Telementoring of Open and Laparoscopic Knot Tying and Suturing Is Possible: A Randomized Controlled Study. <i>European Journal of Pediatric Surgery</i> , 2022, 32, 443-451.	0.7	2
63	Mental Health of Siblings of Children with Rare Congenital Surgical Diseases during the COVID-19 Pandemic. <i>European Journal of Pediatric Surgery</i> , 2022, 32, 422-428.	0.7	2
64	Currarinot triade. <i>ANZ Journal of Surgery</i> , 2012, 82, 275-275.	0.3	1
65	Concomitant bilateral adnexal entanglement in a 7-year-old girl with precocious puberty. <i>International Journal of Gynecology and Obstetrics</i> , 2013, 123, 248-249.	1.0	1
66	Stereological Lung Parameters After Fetoscopic Abdominal Decompression of Congenital Diaphragmatic Hernia in an Ovine Model: A Pilot Study. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2021, 31, 712-718.	0.5	1
67	Portal venous gas in a girl with chronic intestinal pseudoobstruction. <i>Surgery</i> , 2021, 170, e17-e19.	1.0	1
68	Esophageal Diameter as a Function of Weight in Neonates, Children and Adolescents: Reference Values for Dilatation of Esophageal Stenoses. <i>Frontiers in Pediatrics</i> , 2022, 10, 822271.	0.9	1
69	Limits in Laparoscopic Partial Splenectomy in Children. <i>Children</i> , 2022, 9, 605.	0.6	1
70	Life-Threatening Mediastinal Shift due to a Giant Bronchogenic Cyst. <i>Klinische Padiatrie</i> , 2020, 232, 269-271.	0.2	0
71	Are We Hitting the Target?. <i>Pediatric Infectious Disease Journal</i> , 2022, Publish Ahead of Print, .	1.1	0
72	The Spaced Learning Concept in Combination With Halsted and Peyton – A Randomized Controlled Study. <i>Journal of Surgical Education</i> , 2022, , .	1.2	0