

Michael Boettcher

List of Publications by Year in descending order

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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	The Epidemiology behind Pectus Excavatum: Clinical Study and Review of the Literature. European Journal of Pediatric Surgery, 2022, 32, 316-320.	0.7	4
2	Markers of neutrophil activation and extracellular trap formation predict appendicitis. Surgery, 2022, 171, 312-319.	1.0	2
3	Telementoring of Open and Laparoscopic Knot Tying and Suturing Is Possible: A Randomized Controlled Study. European Journal of Pediatric Surgery, 2022, 32, 443-451.	0.7	2
4	cfDNA and DNases: New Biomarkers of Sepsis in Preterm Neonatesâ€”A Pilot Study. Cells, 2022, 11, 192.	1.8	9
5	NET Release of Long-Term Surviving Neutrophils. Frontiers in Immunology, 2022, 13, 815412.	2.2	4
6	Esophageal Diameter as a Function of Weight in Neonates, Children and Adolescents: Reference Values for Dilatation of Esophageal Stenoses. Frontiers in Pediatrics, 2022, 10, 822271.	0.9	1
7	Are We Hitting the Target?. Pediatric Infectious Disease Journal, 2022, Publish Ahead of Print, .	1.1	0
8	Mental Health of Siblings of Children with Rare Congenital Surgical Diseases during the COVID-19 Pandemic. European Journal of Pediatric Surgery, 2022, 32, 422-428.	0.7	2
9	Development of CAR T Cell Therapy in Childrenâ€”A Comprehensive Overview. Journal of Clinical Medicine, 2022, 11, 2158.	1.0	12
10	Limits in Laparoscopic Partial Splenectomy in Children. Children, 2022, 9, 605.	0.6	1
11	The Spaced Learning Concept in Combination With Halsted and Peyton â€” A Randomized Controlled Study. Journal of Surgical Education, 2022, , .	1.2	0
12	Small Bowel Obstruction After Neonatal Repair of Congenital Diaphragmatic Herniaâ€”Incidence and Risk-Factors Identified in a Large Longitudinal Cohort-Study. Frontiers in Pediatrics, 2022, 10, .	0.9	6
13	T cell cytokines in the diagnostic of early-onset sepsis. Pediatric Research, 2021, 90, 191-196.	1.1	8
14	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. Surgical Endoscopy and Other Interventional Techniques, 2021, 35, 745-753.	1.3	7
15	Therapeutic Targeting of Neutrophil Extracellular Traps Improves Primary and Secondary Intention Wound Healing in Mice. Frontiers in Immunology, 2021, 12, 614347.	2.2	29
16	Traumatic Gallbladder Perforation in Children â€” Case Report andÂ”Review. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 889-897.	0.7	4
17	Combination of Side-Swing Flap With Negative-Pressure Wound Therapy Is Superior to Open Excision or Flap Alone in Children With Pilonidal Sinusâ€”But at What Cost?. Frontiers in Pediatrics, 2021, 9, 595684.	0.9	5
18	Being the Pillar for Children with Rare Diseasesâ€”A Systematic Review on Parental Quality of Life. International Journal of Environmental Research and Public Health, 2021, 18, 4993.	1.2	45

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19	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
20	An analysis of the care structure for congenital malformations in Germany. <i>Deutsches Arzteblatt International</i> , 2021, 118I processed the file.'m wa, 601-602.	0.6	7
21	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
22	Portal venous gas in a girl with chronic intestinal pseudoobstruction. <i>Surgery</i> , 2021, 170, e17-e19.	1.0	1
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Lithocholic bile acid induces apoptosis in human nephroblastoma cells: a non-selective treatment option. <i>Scientific Reports</i> , 2020, 10, 20349.	1.6	20
31	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
32	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
33	Life-Threatening Mediastinal Shift due to a Giant Bronchogenic Cyst. <i>Klinische Padiatrie</i> , 2020, 232, 269-271.	0.2	0
34	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
35	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
36	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

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37	Process for an efficient lentiviral cell transduction. <i>Biology Methods and Protocols</i> , 2020, 5, bpaa005.	1.0	15
38	Bridge helix arginines play a critical role in Cas9 sensitivity to mismatches. <i>Nature Chemical Biology</i> , 2020, 16, 587-595.	3.9	51
39	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
40	Cardiac and Inflammatory Necrotizing Enterocolitis in Newborns Are Not the Same Entity. <i>Frontiers in Pediatrics</i> , 2020, 8, 593926.	0.9	11
41	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
42	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
43	Degradation of Extracellular DNA Significantly Ameliorates Necrotizing Enterocolitis Severity in Mice. <i>Journal of Surgical Research</i> , 2019, 235, 513-520.	0.8	17
44	Tracing cellular heterogeneity in pooled genetic screens via multi-level barcoding. <i>BMC Genomics</i> , 2019, 20, 107.	1.2	15
45	Markers of NETosis Do Not Predict Neonatal Early Onset Sepsis: A Pilot Study. <i>Frontiers in Pediatrics</i> , 2019, 7, 555.	0.9	6
46	Dual gene activation and knockout screen reveals directional dependencies in genetic networks. <i>Nature Biotechnology</i> , 2018, 36, 170-178.	9.4	120
47	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
48	Publication status of completed registered studies in paediatric appendicitis: a cross-sectional analysis. <i>BMJ Open</i> , 2018, 8, e021684.	0.8	9
49	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
50	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
51	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
52	The Heidelberg Appendicitis Score Predicts Perforated Appendicitis in Children. <i>Clinical Pediatrics</i> , 2017, 56, 1115-1119.	0.4	8
53	The Heidelberg Appendicitis Score Simplifies Identification of Pediatric Appendicitis. <i>Indian Journal of Pediatrics</i> , 2016, 83, 1093-1097.	0.3	10
54	Training Significantly Improves Fetoscopy Performance: A Pilot Randomized Controlled Trial. <i>European Journal of Pediatric Surgery</i> , 2016, 26, 436-442.	0.7	3

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55	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
56	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
57	Complex gastroschisis is a different entity to simple gastroschisis affecting morbidity and mortality—A systematic review and meta-analysis. <i>Journal of Pediatric Surgery</i> , 2014, 49, 1527-1532.	0.8	121
58	Early prediction of complex midgut volvulus in neonates and infants. <i>Pediatric Surgery International</i> , 2014, 30, 579-586.	0.6	12
59	Prenatal latex sensitization in patients with spina bifida: a pilot study. <i>Journal of Neurosurgery: Pediatrics</i> , 2014, 13, 291-294.	0.8	4
60	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
61	Differentiation of Epididymitis and Appendix Testis Torsion by Clinical and Ultrasound Signs in Children. <i>Urology</i> , 2013, 82, 899-904.	0.5	37
62	Clinical and sonographic features predict testicular torsion in children: a prospective study. <i>BJU International</i> , 2013, 112, 1201-1206.	1.3	62
63	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
64	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
65	Rectum Perforation After Broomstick Impalement in a 17-Year-Old. <i>Pediatric Emergency Care</i> , 2013, 29, 510-512.	0.5	3
66	Clinical Predictors of Testicular Torsion in Children. <i>Urology</i> , 2012, 79, 670-674.	0.5	74
67	Currarini triade. <i>ANZ Journal of Surgery</i> , 2012, 82, 275-275.	0.3	1
68	Assessment of LED fluorescence microscopy for the diagnosis of Plasmodium falciparum infections in Gabon. <i>Malaria Journal</i> , 2011, 10, 194.	0.8	20
69	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
70	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
71	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
72	Variations in PPAR γ 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