

# Mostafa A Borahay

## List of Publications by Year in descending order

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85  
papers

1,313  
citations

331670

21  
h-index

414414

32  
g-index

87  
all docs

87  
docs citations

87  
times ranked

1089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Signaling Pathways in Leiomyoma: Understanding Pathobiology and Implications for Therapy. <i>Molecular Medicine</i> , 2015, 21, 242-256.	4.4	109
2	Estrogen Receptors and Signaling in Fibroids: Role in Pathobiology and Therapeutic Implications. <i>Reproductive Sciences</i> , 2017, 24, 1235-1244.	2.5	93
3	Trends in the National Distribution of Laparoscopic Hysterectomies From 2003 to 2010. <i>Journal of Minimally Invasive Gynecology</i> , 2014, 21, 656-661.	0.6	68
4	Simvastatin Potently Induces Calcium-dependent Apoptosis of Human Leiomyoma Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 35075-35086.	3.4	57
5	Incidence of occult leiomyosarcoma in presumed morcellation cases: a database study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2016, 197, 31-35.	1.1	40
6	Catechol-O-Methyltransferase Expression and 2-Methoxyestradiol Affect Microtubule Dynamics and Modify Steroid Receptor Signaling in Leiomyoma Cells. <i>PLoS ONE</i> , 2009, 4, e7356.	2.5	39
7	Novel effects of simvastatin on uterine fibroid tumors: in vitro and patient-derived xenograft mouse model study. <i>American Journal of Obstetrics and Gynecology</i> , 2015, 213, 196.e1-196.e8.	1.3	36
8	Statin use and uterine fibroid risk in hyperlipidemia patients: a nested case-control study. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 750.e1-750.e8.	1.3	35
9	Role of inflammation in benign gynecologic disorders: from pathogenesis to novel therapies. <i>Biology of Reproduction</i> , 2021, 105, 7-31.	2.7	34
10	Diet and Nutrition in Gynecological Disorders: A Focus on Clinical Studies. <i>Nutrients</i> , 2021, 13, 1747.	4.1	34
11	Simvastatin ameliorates altered mechanotransduction in uterine leiomyoma cells. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 733.e1-733.e14.	1.3	32
12	Disparities in Use of Laparoscopic Hysterectomies: A Nationwide Analysis. <i>Journal of Minimally Invasive Gynecology</i> , 2014, 21, 223-227.	0.6	31
13	Comparison of Perioperative Outcomes of Total Laparoscopic and Robotically Assisted Hysterectomy for Benign Pathology during Introduction of a Robotic Program. <i>Obstetrics and Gynecology International</i> , 2011, 2011, 1-8.	1.3	30
14	Outcomes of Robotic Sacrocolpopexy Using Barbed Delayed Absorbable Sutures. <i>Journal of Minimally Invasive Gynecology</i> , 2014, 21, 412-416.	0.6	30
15	Simvastatin, at clinically relevant concentrations, affects human uterine leiomyoma growth and extracellular matrix production. <i>Fertility and Sterility</i> , 2018, 110, 1398-1407.e1.	1.0	30
16	Effect of Residents'™ Previous Laparoscopic Surgery Experience on Initial Robotic Suturing Experience. <i>ISRN Obstetrics &amp; Gynecology</i> , 2012, 2012, 1-4.	1.2	29
17	Extracellular matrix and Hippo signaling as therapeutic targets of antifibrotic compounds for uterine fibroids. <i>Clinical and Translational Medicine</i> , 2021, 11, e475.	4.0	27
18	Robotic-Assisted, Ultrasound-Guided Abdominal Cerclage During Pregnancy: Overcoming Minimally Invasive Surgery Limitations?. <i>Journal of Minimally Invasive Gynecology</i> , 2013, 20, 398-400.	0.6	25

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19	Intraocular Pressure and Steep Trendelenburg During Minimally Invasive Gynecologic Surgery: Is There a Risk?. <i>Journal of Minimally Invasive Gynecology</i> , 2013, 20, 819-824.	0.6	24
20	Management of the Jehovah's Witness in Obstetrics and Gynecology. <i>Obstetrical and Gynecological Survey</i> , 2016, 71, 488-500.	0.4	24
21	Outpatient robotic hysterectomy: clinical outcomes and financial analysis of initial experience. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2014, 10, 244-250.	2.3	22
22	Vascular biology of uterine fibroids: connecting fibroids and vascular disorders. <i>Reproduction</i> , 2021, 162, R1-R18.	2.6	22
23	Mullerian Inhibiting Substance Suppresses Proliferation and Induces Apoptosis and Autophagy in Endometriosis Cells <i>In Vitro</i> . <i>ISRN Obstetrics &amp; Gynecology</i> , 2013, 2013, 1-6.	1.2	21
24	Cardiometabolic Risk Factors and Benign Gynecologic Disorders. <i>Obstetrical and Gynecological Survey</i> , 2019, 74, 661-673.	0.4	20
25	Intermedin/Adrenomedullin 2 Is Associated With Implantation and Placentation via Trophoblast Invasion in Human Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 695-703.	3.6	18
26	Wnt/ $\beta$ -catenin signaling pathway in uterine leiomyoma: role in tumor biology and targeting opportunities. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 3513-3536.	3.1	18
27	New and Emerging Therapies for Uterine Fibroids. <i>Seminars in Reproductive Medicine</i> , 2017, 35, 549-559.	1.1	17
28	Therapeutic Roles of Statins in Gynecology and Obstetrics: The Current Evidence. <i>Reproductive Sciences</i> , 2018, 25, 802-817.	2.5	17
29	Simvastatin modulates estrogen signaling in uterine leiomyoma via regulating receptor palmitoylation, trafficking and degradation. <i>Pharmacological Research</i> , 2021, 172, 105856.	7.1	17
30	A financial analysis of operating room charges for robot-assisted gynaecologic surgery: Efficiency strategies in the operating room for reducing the costs. <i>Journal of the Turkish German Gynecology Association</i> , 2014, 15, 25-29.	0.6	17
31	Modular Comparison of Laparoscopic and Robotic Simulation Platforms in Residency Training: A Randomized Trial. <i>Journal of Minimally Invasive Gynecology</i> , 2013, 20, 871-879.	0.6	16
32	Outcomes of robotic, laparoscopic, and open hysterectomy for benign conditions in obese patients. <i>Journal of the Turkish German Gynecology Association</i> , 2018, 19, 72-77.	0.6	14
33	The impact of a simulation-based training lab on outcomes of hysterectomy. <i>Journal of the Turkish German Gynecology Association</i> , 2016, 17, 60-64.	0.6	14
34	Simvastatin Inhibits Wnt/ $\beta$ -Catenin Pathway in Uterine Leiomyoma. <i>Endocrinology</i> , 2021, 162, .	2.8	14
35	Disseminated Intravascular Coagulation, Hemoperitoneum, and Reversible Ischemic Neurological Deficit Complicating Anaphylaxis to Prophylactic Antibiotics during Cesarean Delivery: A Case Report and Review of Literature. <i>AJP Reports</i> , 2011, 1, 015-020.	0.7	13
36	Robot-Assisted Abdominal Cerclage During Pregnancy. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2016, 20, e2016.00072.	1.1	13

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37	Association of demographic, clinical, and hospital-related factors with use of robotic hysterectomy for benign indications: A national database study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2020, 16, e2107.	2.3	12
38	Liposomal 2-Methoxyestradiol Nanoparticles for Treatment of Uterine Leiomyoma in a Patient-Derived Xenograft Mouse Model. <i>Reproductive Sciences</i> , 2021, 28, 271-277.	2.5	11
39	Simvastatin inhibits stem cell proliferation in human leiomyoma via TGF- $\beta$ 3 and Wnt/ $\beta$ -Catenin pathways. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1684-1698.	3.6	11
40	Uterine Stem Cells and Benign Gynecological Disorders: Role in Pathobiology and Therapeutic Implications. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 803-820.	3.8	10
41	The Future of Uterine Fibroid Management: a More Preventive and Personalized Paradigm. <i>Reproductive Sciences</i> , 2021, 28, 3285-3288.	2.5	10
42	Impact of current video game playing on robotic simulation skills among medical students. <i>Journal of the Turkish German Gynecology Association</i> , 2015, 16, 1-4.	0.6	10
43	Increased Apoptosis in Chorionic Trophoblasts of Human Fetal Membranes with Labor at Term. <i>International Journal of Clinical Medicine</i> , 2012, 03, 136-142.	0.2	9
44	Assessment of minimally invasive surgical skills of pre-medical students: What can we learn from future learners?. <i>Journal of the Turkish German Gynecology Association</i> , 2014, 15, 69-73.	0.6	9
45	Systemic Lupus Erythematosus Presenting with Leukocytoclastic Vasculitis and Seizure during Pregnancy. <i>American Journal of Perinatology</i> , 2009, 26, 431-435.	1.4	8
46	Patient-Centered, Gynecology-Specific Prioritization of Nonurgent Surgeries during the COVID-19 Pandemic: Proposal of a Novel Scoring System. <i>Journal of Minimally Invasive Gynecology</i> , 2020, 27, 1429-1433.	0.6	8
47	Predictors of the cost of hysterectomy for benign indications. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2021, 50, 101936.	1.3	8
48	Association of preoperative sleep pattern with posthysterectomy pain: a pilot study. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 1901-1908.	2.6	8
49	Simvastatin-loaded liposome nanoparticles treatment for uterine leiomyoma in a patient-derived xenograft mouse model: a pilot study. <i>Journal of Obstetrics and Gynaecology</i> , 2022, 42, 2139-2143.	0.9	8
50	Safety and efficacy of robotic-assisted Burch for pure stress urinary incontinence: a large case series. <i>Journal of Obstetrics and Gynaecology</i> , 2021, 41, 803-806.	0.9	7
51	Differential response to hypoxia in leiomyoma and myometrial cells. <i>Life Sciences</i> , 2022, 290, 120238.	4.3	7
52	Hypoxia induces proliferation via NOX4-Mediated oxidative stress and TGF- $\beta$ 3 signaling in uterine leiomyoma cells. <i>Free Radical Research</i> , 2022, 56, 163-172.	3.3	7
53	Weaning From Long-term Opioid Therapy. <i>Clinical Obstetrics and Gynecology</i> , 2019, 62, 98-109.	1.1	6
54	Pelvic Pain and Apical Prolapse Surgery: A Population-Based Retrospective Cohort Study. <i>Female Pelvic Medicine and Reconstructive Surgery</i> , 2020, 26, 704-711.	1.1	6

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55	Predictors of same-day discharge after minimally invasive hysterectomy for benign indications. <i>International Journal of Gynecology and Obstetrics</i> , 2022, 158, 308-317.	2.3	6
56	Cardiometabolic profile of women with uterine leiomyoma: a cross-sectional study. <i>Minerva Obstetrics and Gynecology</i> , 2023, 75, .	1.0	6
57	Leptin induces leiomyoma cell proliferation and extracellular matrix deposition via JAK2/STAT3 and MAPK/ERK pathways. <i>F&amp;S Science</i> , 2022, 3, 383-391.	0.9	6
58	Overcoming the obstacles of visualization in robotically assisted abdominal cerclage using indocyanine green. <i>Journal of Robotic Surgery</i> , 2016, 10, 361-364.	1.8	5
59	Predictors of new persistent opioid use after benign hysterectomy in the United States. <i>American Journal of Obstetrics and Gynecology</i> , 2022, 227, 68.e1-68.e24.	1.3	5
60	Initial Experience with Robotic Retropubic Urethropexy Compared to Open Retropubic Urethropexy. <i>Obstetrics and Gynecology International</i> , 2013, 2013, 1-5.	1.3	4
61	Simvastatin reduces plasma membrane caveolae and caveolin-1 in uterine leiomyomas. <i>Life Sciences</i> , 2022, 304, 120708.	4.3	4
62	Medicolegal Review: Essure Lawsuits and Legal Strategies Adverse to Gynecologists. <i>Journal of Minimally Invasive Gynecology</i> , 2017, 24, 727-730.	0.6	3
63	Synergistic effects of simvastatin and ulipristal acetate on uterine leiomyoma. <i>Fertility and Sterility</i> , 2017, 108, e65.	1.0	3
64	Impact of timing on wound dressing removal after caesarean delivery: a multicentre, randomised controlled trial. <i>Journal of Obstetrics and Gynaecology</i> , 2021, 41, 348-352.	0.9	3
65	Opioid Dispensing After Hysteroscopy in the United States. <i>Obstetrics and Gynecology</i> , 2021, 138, 888-890.	2.4	3
66	Fast forward: fibroid management in 2042. <i>F&amp;S Science</i> , 2021, 2, 114-115.	0.9	2
67	Ob Gyn Intern Boot Camp: Educational Outcomes-Council for Residency Education in Obstetrics and Gynecology Examinations and Preparedness for Clinical Care. <i>Obstetrics and Gynecology</i> , 2016, 128, 48S-48S.	2.4	1
68	Pain and Sleep Around Hysterectomy: A Prospective Cohort Study [15D]. <i>Obstetrics and Gynecology</i> , 2017, 129, 45S-45S.	2.4	1
69	Effect of simvastatin on integrin- $\beta$ 1 and its downstream mediators in human leiomyoma cells. <i>Fertility and Sterility</i> , 2019, 112, e346.	1.0	1
70	Simvastatin inhibits RhoA activation, collagen expression and gel contraction in human leiomyoma cells. <i>Fertility and Sterility</i> , 2019, 112, e347.	1.0	1
71	Predictors of Minimally Invasive Myomectomy in the National Inpatient Sample Database, 2010-2014. <i>Journal of the Society of Laparoendoscopic Surgeons</i> , 2021, 25, e2021.00065.	1.1	1
72	Pelvic organ prolapse surgery after different hysterectomy methods: a population-based cohort study. <i>Clinical and Experimental Obstetrics and Gynecology</i> , 2019, 46, 466-472.	0.2	1

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73	Impact of Obesity on Clinical and Financial Outcomes of Minimally Invasive Hysterectomy for Benign Conditions. <i>Journal of Obstetrics and Gynaecology Canada</i> , 2022, 44, 953-959.	0.7	1
74	Effect of the contact between the amnion and chorion-decidua layers in human fetal membranes on prostaglandin production. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, S43.	1.3	0
75	Role of apoptosis in the chorionic trophoblasts of human fetal membranes with labor at term. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 193, S43.	1.3	0
76	Potential liability of reproductive endocrinologists for high order multiple gestation. <i>Journal of Assisted Reproduction and Genetics</i> , 2010, 27, 157-159.	2.5	0
77	The Role of Mullerian Inhibiting Substance in Inducing Apoptosis in Ectopic Endometrium. <i>Journal of Minimally Invasive Gynecology</i> , 2010, 17, S133.	0.6	0
78	Abnormal uterine bleeding after ovarian vein embolotherapy for pelvic congestion syndrome: Case report and review of literature. <i>Asian Pacific Journal of Reproduction</i> , 2012, 1, 60-62.	0.4	0
79	Reply:. <i>Journal of Minimally Invasive Gynecology</i> , 2013, 20, 730-731.	0.6	0
80	Same-Day Robotic Hysterectomy. <i>Obstetrics and Gynecology</i> , 2014, 123, 122S.	2.4	0
81	Incidence of Occult Leiomyosarcoma in Presumed Morcellation Cases. <i>Obstetrics and Gynecology</i> , 2016, 127, 135S-136S.	2.4	0
82	Colpopexy and Pelvic Pain [11Q]. <i>Obstetrics and Gynecology</i> , 2016, 127, 142S.	2.4	0
83	THE YAP INHIBITOR VERTEPORFIN REGULATES ACTIVIN-A/SMAD SIGNALING AND MECHANOTRANSDUCTION IN UTERINE FIBROID CELLS. <i>Fertility and Sterility</i> , 2020, 114, e232-e233.	1.0	0
84	SIMVASTATIN SUPPRESSES PROLIFERATION, EXTRACELLULAR MATRIX ACCUMULATION AND Wnt4/ $\beta$ -CATENIN PATHWAYS IN HUMAN LEIOMYOMA STEM CELLS. <i>Fertility and Sterility</i> , 2021, 116, e418.	1.0	0
85	TGF- $\beta$ SIGNALING REGULATES WNT/ $\beta$ -CATENIN PATHWAY IN UTERINE LEIOMYOMA CELLS. <i>Fertility and Sterility</i> , 2021, 116, e414.	1.0	0