

Hiroaki Shibahara

List of Publications by Year in descending order

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89
papers

1,579
citations

331670

21
h-index

345221

36
g-index

90
all docs

90
docs citations

90
times ranked

1396
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationships between sperm motility characteristics assessed by the computer-aided sperm analysis (CASA) and fertilization rates in vitro. <i>Journal of Assisted Reproduction and Genetics</i> , 2001, 18, 215-220.	2.5	193
2	Repurposing itraconazole as an anticancer agent. <i>Oncology Letters</i> , 2017, 14, 1240-1246.	1.8	88
3	Quantitative and qualitative changes of mitochondria in human preimplantation embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2017, 34, 573-580.	2.5	74
4	Prediction of pregnancy by intrauterine insemination using CASA estimates and strict criteria in patients with male factor infertility. <i>Journal of Developmental and Physical Disabilities</i> , 2004, 27, 63-68.	3.6	72
5	Mitochondrial DNA copy number in cumulus cells is a strong predictor of obtaining good-quality embryos after IVF. <i>Journal of Assisted Reproduction and Genetics</i> , 2016, 33, 367-371.	2.5	60
6	Expression of natural cytotoxicity receptors and cytokine production on endometrial natural killer cells in women with recurrent pregnancy loss or implantation failure, and the expression of natural cytotoxicity receptors on peripheral blood natural killer cells in pregnant women with a history of recurrent pregnancy loss. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 1678-1686.	1.3	56
7	Effects of sperm-immobilizing antibodies on sperm-zona pellucida tight binding. <i>Fertility and Sterility</i> , 1993, 60, 533-539.	1.0	50
8	Two-dimensional electrophoretic analysis of sperm antigens recognized by sperm immobilizing antibodies detected in infertile women. <i>Journal of Reproductive Immunology</i> , 2002, 53, 1-12.	1.9	49
9	Successful pregnancy in an infertile patient with conservatively treated endometrial adenocarcinoma after transfer of embryos obtained by intracytoplasmic sperm injection: Case report. <i>Human Reproduction</i> , 1999, 14, 1908-1911.	0.9	44
10	Sperm Immobilizing Antibodies Interfere With Sperm Migration From the Uterine Cavity through the Fallopian Tubes. <i>American Journal of Reproductive Immunology</i> , 1995, 34, 120-124.	1.2	41
11	Diagnosis and treatment of immunologically infertile males with antisperm antibodies. <i>Reproductive Medicine and Biology</i> , 2005, 4, 133-141.	2.4	37
12	Effects of Sperm Immobilizing Antibodies on Pregnancy Outcome in Infertile Women Treated With IVF–ET. <i>American Journal of Reproductive Immunology</i> , 1996, 36, 96-100.	1.2	35
13	Sperm Immobilizing Antibodies in the Sera of Infertile Women Cause Low Fertilization Rates and Poor Embryo Quality In Vitro. <i>American Journal of Reproductive Immunology</i> , 2002, 47, 46-51.	1.2	32
14	Interleukin-1/33 Signaling Pathways as Therapeutic Targets for Endometriosis. <i>Frontiers in Immunology</i> , 2019, 10, 2021.	4.8	32
15	Diversity of the inhibitory effects on fertilization by anti-sperm antibodies bound to the surface of ejaculated human sperm. <i>Human Reproduction</i> , 2003, 18, 1469-1473.	0.9	29
16	Major complications and outcome of diagnostic and operative transvaginal hydrolaparoscopy. <i>Journal of Obstetrics and Gynaecology Research</i> , 2007, 33, 705-709.	1.3	28
17	Pelvic endometriosis and natural killer cell immunity. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13342.	1.2	28
18	Itraconazole Inhibits AKT/mTOR Signaling and Proliferation in Endometrial Cancer Cells. <i>Anticancer Research</i> , 2017, 37, 515-520.	1.1	27

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19	Diagnosis and treatment of immunologically infertile women with sperm-immobilizing antibodies in their sera. <i>Journal of Reproductive Immunology</i> , 2009, 83, 139-144.	1.9	26
20	Postoperative endocrine alterations and clinical outcome of infertile women with polycystic ovary syndrome after transvaginal hydrolaparoscopic ovarian drilling. <i>Fertility and Sterility</i> , 2006, 85, 244-246.	1.0	25
21	Relationships between Chlamydia trachomatis Antibody Titers and Tubal Pathology Assessed using Transvaginal Hydrolaparoscopy in Infertile Women. <i>American Journal of Reproductive Immunology</i> , 2003, 50, 7-12.	1.2	24
22	Uterine rupture during pregnancy soon after a laparoscopic adenomyomectomy. <i>Reproductive Medicine and Biology</i> , 2007, 6, 175-177.	2.4	23
23	Diversity of Antisperm Antibodies Bound to Sperm Surface in Male Immunological Infertility. <i>American Journal of Reproductive Immunology</i> , 2002, 47, 146-150.	1.2	22
24	Itraconazole Modulates Hedgehog, WNT/ β -catenin, as well as Akt Signalling, and Inhibits Proliferation of Cervical Cancer Cells. <i>Anticancer Research</i> , 2017, 37, 3521-3526.	1.1	21
25	Mitochondrial oxygen consumption rate of human embryos declines with maternal age. <i>Journal of Assisted Reproduction and Genetics</i> , 2020, 37, 1815-1821.	2.5	20
26	Clinical efficacy of peritoneovenous shunting for the treatment of severe ovarian hyperstimulation syndrome. <i>Human Reproduction</i> , 2000, 15, 113-117.	0.9	20
27	A case of primary ovarian pregnancy after in vitro fertilization and embryo transfer. <i>Journal of Assisted Reproduction and Genetics</i> , 1997, 14, 63-64.	2.5	19
28	Effects of Sera from Infertile Women with Sperm Immobilizing Antibodies on Fertilization and Embryo Development In Vitro in Mice. <i>American Journal of Reproductive Immunology</i> , 2003, 50, 146-151.	1.2	18
29	Relationship between the sperm motility index assessed by the sperm quality analyzer and the outcome of intracytoplasmic sperm injection. <i>Journal of Assisted Reproduction and Genetics</i> , 1999, 16, 540-545.	2.5	17
30	Relationship Between Level of Serum Sperm Immobilizing Antibody and Its Inhibitory Effect on Sperm Migration through Cervical Mucus in Immunologically Infertile Women. <i>American Journal of Reproductive Immunology</i> , 2007, 57, 142-146.	1.2	17
31	A rise of the serum level of von Willebrand factor occurs before clinical manifestation of the severe form of ovarian hyperstimulation syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2001, 18, 114-119.	2.5	15
32	Accuracy of the normal sperm morphology value by Sperm Quality Analyzer IIC: comparison with the strict criteria. <i>Journal of Developmental and Physical Disabilities</i> , 2002, 25, 45-48.	3.6	15
33	Methods for Direct and Indirect Antisperm Antibody Testing. <i>Methods in Molecular Biology</i> , 2013, 927, 51-60.	0.9	15
34	Establishment and application of criteria for the elective transfer of two good-quality embryos to reduce high-order multiple pregnancies. <i>Reproductive Medicine and Biology</i> , 2002, 1, 23-29.	2.4	14
35	Effect of sperm-immobilizing antibodies bound to the surface of ejaculated human spermatozoa on sperm motility in immunologically infertile men. <i>Fertility and Sterility</i> , 2003, 79, 641-642.	1.0	14
36	Anti-sperm antibodies and reproductive failures. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13337.	1.2	14

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37	Analysis of factors associated with multinucleate formation in human IVF. <i>Journal of Developmental and Physical Disabilities</i> , 2003, 26, 211-214.	3.6	13
38	Effects of gremlin-2 on the transition of primordial follicles during early folliculogenesis in the human ovary. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2016, 203, 72-77.	1.1	13
39	Serum Matrix Metalloproteinase and Tissue Inhibitor of Metalloproteinase Concentrations in Infertile Women Achieved Pregnancy Following IVF-ET. <i>American Journal of Reproductive Immunology</i> , 2005, 54, 186-192.	1.2	12
40	Influence of endometrial thickness and pattern on pregnancy rates in in vitro fertilization-embryo transfer. <i>Reproductive Medicine and Biology</i> , 2002, 1, 17-21.	2.4	11
41	Application of computer-aided sperm analysis (CASA) for detecting sperm-immobilizing antibody. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12814.	1.2	11
42	Co-expression of NKp46 with activating or inhibitory receptors on, and cytokine production by, uterine endometrial NK cells in recurrent pregnancy loss. <i>Journal of Reproductive Immunology</i> , 2021, 145, 103324.	1.9	11
43	Chemokine Bioactivity of RANTES is Elevated in the Sera of Infertile Women with Past Chlamydia trachomatis Infection. <i>American Journal of Reproductive Immunology</i> , 2003, 49, 169-173.	1.2	10
44	Randomized study comparing day 2 versus day 3 elective transfer of two good-quality embryos. <i>Reproductive Medicine and Biology</i> , 2004, 3, 99-104.	2.4	10
45	Profiling of proteins phosphorylated or dephosphorylated during hyperactivation via activation on hamster spermatozoa. <i>Reproductive Medicine and Biology</i> , 2006, 5, 123-135.	2.4	10
46	Expression of Hedgehog Signals and Growth Inhibition by Itraconazole in Endometrial Cancer. <i>Anticancer Research</i> , 2016, 36, 149-53.	1.1	10
47	Assay of testicular angiotensin-converting enzyme activity in human spermatozoa. <i>Journal of Developmental and Physical Disabilities</i> , 2001, 24, 225-231.	3.6	9
48	Increase of multiple pregnancies caused by ovulation induction with gonadotropin in combination with metformin in infertile women with polycystic ovary syndrome. <i>Fertility and Sterility</i> , 2007, 87, 1487-1490.	1.0	9
49	Clinical significance of the Acridine Orange test performed as a routine examination: comparison with the CASA estimates and strict criteria. <i>Journal of Developmental and Physical Disabilities</i> , 2003, 26, 236-241.	3.6	8
50	Effects of in vivo exposure to eggs with sperm-immobilizing antibodies in follicular fluid on subsequent fertilization and embryo development in vitro. <i>Reproductive Medicine and Biology</i> , 2006, 5, 137-143.	2.4	8
51	Effects of 5-hydroxytryptamine on spermatozoal hyperactivation and <i>in vitro</i> fertilization in mice. <i>Journal of Reproduction and Development</i> , 2019, 65, 541-550.	1.4	8
52	Feelings about pregnancy and mother-infant bonding as predictors of persistent psychological distress in the perinatal period: The Japan Environment and Children's Study. <i>Journal of Psychiatric Research</i> , 2021, 140, 132-140.	3.1	8
53	NK cells that differ in expression of NKp46 might play different roles in endometrium. <i>Journal of Reproductive Immunology</i> , 2021, 147, 103367.	1.9	8
54	Long-term disease-free survival after radical local excision of low-grade myofibroblastic sarcoma of the vulva. <i>Gynecologic Oncology Case Reports</i> , 2013, 5, 34-36.	0.9	7

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55	Gremlin 2 is Repressed in Invasive Endometrial Cancer and Inhibits Cell Growth In Vitro. <i>Anticancer Research</i> , 2016, 36, 199-203.	1.1	7
56	Expression of chemokine ligand 18 in stage IA low-grade endometrial cancer. <i>Anticancer Research</i> , 2014, 34, 5331-6.	1.1	6
57	Application of transvaginal hydrolaparoscopy for ovarian drilling using Nd:YAG laser in infertile women with polycystic ovary syndrome. <i>Reproductive Medicine and Biology</i> , 2003, 2, 37-40.	2.4	5
58	Bevacizumab helped resolve pericardial and pleural effusion that was associated with malignant ovarian clear cell carcinoma. <i>Gynecologic Oncology Reports</i> , 2016, 16, 11-13.	0.6	5
59	Bevacizumab with metronomic chemotherapy of low-dose oral cyclophosphamide in recurrent cervical cancer: Four cases. <i>Gynecologic Oncology Reports</i> , 2018, 24, 57-60.	0.6	5
60	Paternal occupational exposure to chemicals and secondary sex ratio: results from the Japan Environment and Children's Study. <i>Lancet Planetary Health</i> , The, 2019, 3, e529-e538.	11.4	5
61	Successful pregnancies in a case of retrograde ejaculation associated with tethered spinal cord syndrome. <i>Journal of Assisted Reproduction and Genetics</i> , 2000, 17, 233-233.	2.5	4
62	Infertile women without sensitization to an appropriate amount of sperm do not produce sperm-immobilizing antibodies in their sera. <i>Reproductive Medicine and Biology</i> , 2003, 2, 105-108.	2.4	4
63	A case of primary metastatic glassy cell carcinoma of the uterine cervix that responded to combined docetaxel and carboplatin. <i>Gynecologic Oncology Case Reports</i> , 2013, 6, 19-21.	0.9	4
64	Pazopanib-mediated long-term disease stabilization after resection of a uterine leiomyosarcoma metastasis to the brain: A case report. <i>Gynecologic Oncology Reports</i> , 2016, 17, 60-64.	0.6	4
65	Treatment with Laevo (l)-carnitine reverses the mitochondrial function of human embryos. <i>Journal of Assisted Reproduction and Genetics</i> , 2021, 38, 71-78.	2.5	4
66	Toward standardization of the cutoff value for the direct immunobead test using the postcoital test in immunologically infertile males. <i>Reproductive Medicine and Biology</i> , 2013, 12, 21-25.	2.4	3
67	Association between spontaneous ovulation and serum anti-Müllerian hormone levels in a premature ovarian insufficiency patient after a multimodal treatment for breast cancer. <i>Journal of Obstetrics and Gynaecology Research</i> , 2019, 45, 2297-2301.	1.3	3
68	Challenges in Managing Patients with Hereditary Cancer at Gynecological Services. <i>Obstetrics and Gynecology International</i> , 2019, 2019, 1-9.	1.3	3
69	Association between the serum insulin-like growth factor-1 concentration in the first trimester of pregnancy and postpartum depression. <i>Psychiatry and Clinical Neurosciences</i> , 2021, 75, 159-165.	1.8	3
70	Itraconazole Increases Resolvin E3 Concentration and 12/15-lipoxygenase Inhibitor Attenuates Itraconazole Cytotoxicity in Cervical Cancer Cells. <i>Anticancer Research</i> , 2021, 41, 4271-4276.	1.1	3
71	Sex difference in anti-sperm antibodies. <i>Reproductive Medicine and Biology</i> , 2022, 21, .	2.4	3
72	Serum leptin concentration during in vitro fertilization treatment with controlled ovarian hyperstimulation: Serum leptin concentration decreases in the early luteal phase in pregnancy. <i>Reproductive Medicine and Biology</i> , 2003, 2, 177-182.	2.4	2

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73	Successful pregnancy following conservative treatment of massive ascites associated with acute Chlamydia trachomatis peritonitis. <i>Reproductive Medicine and Biology</i> , 2004, 3, 217-221.	2.4	2
74	Severe ovarian hyperstimulation syndrome in a 42-year-old woman with successful pregnancy after intracytoplasmic sperm injection embryo transfer. <i>Reproductive Medicine and Biology</i> , 2005, 4, 265-269.	2.4	2
75	Establishment of criteria for elective single embryo transfer at day 2 or day 3 by analyzing cases with successful implantation of all embryos transferred. <i>Journal of Obstetrics and Gynaecology Research</i> , 2007, 33, 501-505.	1.3	2
76	Effects of leuporelin for the treatment of recurrent gynecological cancer by assessment including self-administered quality of life questionnaire. <i>Journal of Obstetrics and Gynaecology Research</i> , 2019, 45, 203-209.	1.3	2
77	Development of individuals with thanatophoric dysplasia surviving beyond infancy. <i>Pediatrics International</i> , 2022, 64, .	0.5	2
78	The Current Perspectives on the Mammalian Zona Pellucida. <i>Journal of Mammalian Ova Research</i> , 2017, 34, 57-64.	0.1	1
79	Cytogenetic Analysis of Spontaneous Miscarriages Using Long-Term Culturing of Chorionic Villi. <i>Journal of Fetal Medicine</i> , 2019, 6, 1-6.	0.1	1
80	Resuscitative hysterotomy in a patient with peripartum cardiomyopathy. <i>Journal of Obstetrics and Gynaecology Research</i> , 2019, 45, 724-728.	1.3	1
81	The Risk of Birth Defects in Dichorionic Twins Conceived by Assisted Reproductive Technology. <i>Twin Research and Human Genetics</i> , 2004, 7, 223-227.	1.0	1
82	Removal of a retroperitoneal foreign body by laparoscopic surgery. <i>Gynecology and Minimally Invasive Therapy</i> , 2019, 8, 86.	0.9	1
83	Antisperm antibodies and reproductive failure. , 2022, , 137-151.		1
84	Effects of in vivo exposure to eggs with sperm-immobilizing antibodies in follicular fluid on subsequent fertilization and embryo development in vitro. <i>Reproductive Medicine and Biology</i> , 2006, 5, 137-143.	2.4	0
85	Enteroscopy and laparoscopic adhesiolysis for two cases of adhesive ileus after gynecologic surgery. <i>Japanese Journal of Gynecologic and Obstetric Endoscopy</i> , 2011, 27, 251-254.	0.0	0
86	Complete remission achieved by oophorectomy for recurrent endometrial stromal sarcoma after laparoscopic morcellation. <i>Gynecologic Oncology Reports</i> , 2015, 11, 1-3.	0.6	0
87	In memory of Dr. Koji Koyama. <i>American Journal of Reproductive Immunology</i> , 2018, 79, e12821.	1.2	0
88	A Case of a Pregnant Woman with Thrombosis in an Artificial Aortic Valve Resulting in Severe Cerebral Hemorrhage in the Newborn. <i>Case Reports in Obstetrics and Gynecology</i> , 2018, 2018, 1-3.	0.3	0
89	Natural killer cell pathology and repeated implantation failures. , 2022, , 259-272.		0