

Felice Francavilla

List of Publications by Year in descending order

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110
papers

2,768
citations

159585

30
h-index

223800

46
g-index

111
all docs

111
docs citations

111
times ranked

2884
citing authors

#	ARTICLE	IF	CITATIONS
1	Human spermatozoa as a model for studying membrane receptors mediating rapid nongenomic effects of progesterone and estrogens. <i>Steroids</i> , 2004, 69, 553-559.	1.8	126
2	Mechanism of Human Papillomavirus Binding to Human Spermatozoa and Fertilizing Ability of Infected Spermatozoa. <i>PLoS ONE</i> , 2011, 6, e15036.	2.5	122
3	ENDOTHELIAL CELL ACTIVATION IN MEN WITH ERECTILE DYSFUNCTION WITHOUT CARDIOVASCULAR RISK FACTORS AND OVERT VASCULAR DAMAGE. <i>Journal of Urology</i> , 2004, 171, 1601-1604.	0.4	120
4	Characterization of the Endocannabinoid System in Human Spermatozoa and Involvement of Transient Receptor Potential Vanilloid 1 Receptor in Their Fertilizing Ability. <i>Endocrinology</i> , 2009, 150, 4692-4700.	2.8	106
5	SARS-CoV-2 infection, male fertility and sperm cryopreservation: a position statement of the Italian Society of Andrology and Sexual Medicine (SIAMS) (Societ� Italiana di Andrologia e Medicina della Tj ETQq1 1 0.7843 14 rgB89 Overlo	3.4	84
6	In vitro exposure of human spermatozoa to bisphenol A induces pro-oxidative/apoptotic mitochondrial dysfunction. <i>Reproductive Toxicology</i> , 2016, 66, 61-67.	2.9	86
7	Altered ultrastructure of mitochondrial membranes is strongly associated with unexplained asthenozoospermia. <i>Fertility and Sterility</i> , 2011, 95, 641-646.	1.0	85
8	Effect of sperm morphology and motile sperm count on outcome of intrauterine insemination in oligozoospermia and/or asthenozoospermia. <i>Fertility and Sterility</i> , 1990, 53, 892-897.	1.0	77
9	Naturally-occurring antisperm antibodies in men: interference with fertility and clinical implications. An update. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 2890.	3.0	73
10	Effect of vaginal probiotic lactobacilli on in vitro��induced sperm lipid peroxidation and its impact on sperm motility and viability. <i>Fertility and Sterility</i> , 2011, 95, 2485-2488.	1.0	57
11	Bisphenol A and Male Fertility: Myths and Realities. <i>Frontiers in Endocrinology</i> , 2020, 11, 353.	3.5	57
12	Low testosterone and non-alcoholic fatty liver disease: Evidence for their independent association in men with chronic spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2016, 39, 443-449.	1.4	56
13	INTIMA-MEDIA THICKENING OF COMMON CAROTID ARTERIES IS A RISK FACTOR FOR SEVERE ERECTILE DYSFUNCTION IN MEN WITH VASCULAR RISK FACTORS BUT NO CLINICAL EVIDENCE OF ATHEROSCLEROSIS. <i>Journal of Urology</i> , 2005, 173, 526-529.	0.4	53
14	Failure of intrauterine insemination in male immunological infertility in cases in which all spermatozoa are antibody-coated. <i>Fertility and Sterility</i> , 1992, 58, 587-592.	1.0	49
15	Low birth weight and later development of insulin resistance and biochemical/clinical features of polycystic ovary syndrome. <i>Metabolism: Clinical and Experimental</i> , 2008, 57, 999-1004.	3.4	49
16	Within-subject variation of seminal parameters in men with infertile marriages. <i>Journal of Developmental and Physical Disabilities</i> , 2007, 30, 174-181.	3.6	48
17	Energetic Metabolism and Human Sperm Motility: Impact of CB1 Receptor Activation. <i>Endocrinology</i> , 2010, 151, 5882-5892.	2.8	47
18	Correlates of low testosterone in men with chronic spinal cord injury. <i>Andrology</i> , 2014, 2, 721-728.	3.5	46

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19	Erectile Dysfunction is the Main Determinant of Psychological Distress in Men with Spinal Cord Injury. <i>Journal of Sexual Medicine</i> , 2012, 9, 830-836.	0.6	44
20	Soluble Products of <i>Escherichia coli</i> Induce Mitochondrial Dysfunction-Related Sperm Membrane Lipid Peroxidation Which Is Prevented by <i>Lactobacilli</i> . <i>PLoS ONE</i> , 2013, 8, e83136.	2.5	43
21	Testicular Cancer in Infertile Men With and Without Testicular Microlithiasis: A Systematic Review and Meta-Analysis of Case-Control Studies. <i>Frontiers in Endocrinology</i> , 2019, 10, 164.	3.5	42
22	Nitric Oxide Synthase Inhibition in Human Sperm Affects Sperm-Oocyte Fusion but Not Zona Pellucida Binding. <i>Biology of Reproduction</i> , 2000, 63, 425-429.	2.7	39
23	Ultrasonographic determination of caput epididymis diameter is strongly predictive of obstruction in the genital tract in azoospermic men with normal serum <sc>FSH</sc>. <i>Andrology</i> , 2013, 1, 133-138.	3.5	39
24	Specific localization in the equatorial region of gp20, a 20 kDa sialoglycoprotein of the capacitated human spermatozoon acquired during epididymal transit which is necessary to penetrate zona-free hamster eggs. <i>Molecular Human Reproduction</i> , 1998, 4, 119-125.	2.8	37
25	Interference of antisperm antibodies with the induction of the acrosome reaction by zona pellucida (ZP) and its relationship with the inhibition of ZP binding. <i>Fertility and Sterility</i> , 1997, 67, 1128-1133.	1.0	34
26	Semen leukocytes and oxidative-dependent DNA damage of spermatozoa in male partners of subfertile couples with no symptoms of genital tract infection. <i>Andrology</i> , 2016, 4, 808-815.	3.5	34
27	Dynamics of the Global Tyrosine Phosphorylation During Capacitation and Acquisition of the Ability to Fuse with Oocytes in Human Spermatozoa. <i>Biology of Reproduction</i> , 2008, 79, 649-656.	2.7	33
28	Physical exercise at high altitude is associated with a testicular dysfunction leading to reduced sperm concentration but healthy sperm quality. <i>Fertility and Sterility</i> , 2011, 96, 28-33.	1.0	33
29	Expression of gp20, a human sperm antigen of epididymal origin, is reduced in spermatozoa from subfertile men. <i>Molecular Reproduction and Development</i> , 2004, 69, 235-240.	2.0	32
30	Relationship between leukocytospermia, reproductive potential after assisted reproductive technology, and sperm parameters: a systematic review and meta-analysis of case-control studies. <i>Andrology</i> , 2020, 8, 125-135.	3.5	31
31	A preliminary study of oscillating electromagnetic field effects on human spermatozoon motility. <i>Bioelectromagnetics</i> , 2007, 28, 72-75.	1.6	30
32	Association between 25(OH)-vitamin D and testosterone levels: Evidence from men with chronic spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2016, 39, 246-252.	1.4	30
33	Prevalence of anti-sperm antibodies and relationship of degree of sperm auto-immunization to semen parameters and post-coital test outcome: a retrospective analysis of over 10 000 men. <i>Human Reproduction</i> , 2019, 34, 834-841.	0.9	30
34	Seminal macrophages in ejaculates from men with couple infertility. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 623-628.	3.6	28
35	Erectile Dysfunction and Premature Ejaculation in Homosexual and Heterosexual Men: A Systematic Review and Meta-Analysis of Comparative Studies. <i>Journal of Sexual Medicine</i> , 2019, 16, 624-632.	0.6	27
36	Involvement of mitochondrial dysfunction in the adverse effect exerted by seminal plasma from men with spinal cord injury on sperm motility. <i>Andrology</i> , 2013, 1, 456-463.	3.5	26

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37	Cannabinoid signalling and effects of cannabis on the male reproductive system. <i>Nature Reviews Urology</i> , 2021, 18, 19-32.	3.8	26
38	Inhibition of phosphodiesterase type 5 with tadalafil is associated to an improved activity of circulating angiogenic cells in men with cardiovascular risk factors and erectile dysfunction. <i>Atherosclerosis</i> , 2008, 196, 313-319.	0.8	25
39	Independent Association of Vitamin D With Physical Function in People With Chronic Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2016, 97, 726-732.	0.9	25
40	Lower Vitamin D Levels Are Associated With Depression in People With Chronic Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 940-946.	0.9	24
41	Ultrastructural Changes in the Seminiferous Tubule Wall and Intertubular Blood Vessels in Human Cryptorchidism. <i>Archives of Andrology</i> , 1979, 2, 21-30.	1.0	23
42	Intrauterine insemination with or without mild ovarian stimulation in couples with male subfertility due to oligo/astheno- and/or teratozoospermia or antisperm antibodies: a prospective cross-over trial. <i>Fertility and Sterility</i> , 2009, 92, 1009-1011.	1.0	23
43	A sialoglycoprotein, gp20, of the human capacitated sperm surface is a homologue of the leukocyte CD52 antigen: analysis of the effect of anti-CD52 monoclonal antibody (CAMPATH-1) on capacitated spermatozoa. <i>Molecular Human Reproduction</i> , 1999, 5, 46-51.	2.8	22
44	Carbohydrate binding activity in human spermatozoa: localization, specificity, and involvement in sperm-egg fusion. <i>Molecular Human Reproduction</i> , 1998, 4, 543-553.	2.8	21
45	Ultrastructural analysis of chromatin defects in testicular spermatids in azoospermic men submitted to TESE-ICSI. <i>Human Reproduction</i> , 2001, 16, 1440-1448.	0.9	21
46	Treatment of erectile dysfunction reduces psychological distress. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 74-80.	3.6	21
47	Relationship of Vitamin D status with testosterone levels: a systematic review and meta-analysis. <i>Endocrine</i> , 2021, 72, 49-61.	2.3	21
48	Effect of Sperm Antibodies on Acrosome Reaction of Human Sperm Used for the Hamster Egg Penetration Assay. <i>American Journal of Reproductive Immunology</i> , 1991, 25, 77-80.	1.2	20
49	Relationship between natural and intrauterine insemination-assisted live births and the degree of sperm autoimmunisation. <i>Human Reproduction</i> , 2020, 35, 1288-1295.	0.9	20
50	Polymorphic Cytosine-Adenine-Guanine Repeat Length of Androgen Receptor Gene and Gender Incongruence in Trans Women: A Systematic Review and Meta-Analysis of Case-Control Studies. <i>Journal of Sexual Medicine</i> , 2020, 17, 543-550.	0.6	19
51	Ultrastructural analysis of asthenozoospermic ejaculates in the era of assisted procreation. <i>Fertility and Sterility</i> , 2006, 85, 940-946.	1.0	18
52	Penile duplex pharmaco-ultrasonography of cavernous arteries in men with erectile dysfunction and generalized atherosclerosis. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 496-501.	3.6	18
53	Embolization of left spermatic vein in non-obstructive azoospermic men with varicocele: role of FSH to predict the appearance of ejaculated spermatozoa after treatment. <i>Journal of Endocrinological Investigation</i> , 2015, 38, 785-790.	3.3	17
54	Isolated teratozoospermia: a cause of male sterility in the era of ICSI?. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 69.	3.0	17

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55	Ultrasonographic caput epididymis diameter is reduced in non-obstructive azoospermia compared with normozoospermia but is not predictive for successful sperm retrieval after TESE. <i>Human Reproduction</i> , 2014, 29, 1368-1374.	0.9	16
56	Protein tyrosine phosphorylation of the human sperm head during capacitation: immunolocalization and relationship with acquisition of sperm-fertilizing ability. <i>Asian Journal of Andrology</i> , 2010, 12, 853-861.	1.6	16
57	Occurrence of the Interference of Sperm-Associated Antibodies on Sperm Fertilizing Ability as Evaluated by the Sperm-Zona Pellucida Binding Test and by the TEST-Yolk Buffer Enhanced Sperm Penetration Assay. <i>American Journal of Reproductive Immunology</i> , 1997, 37, 267-274.	1.2	15
58	Effect of human sperm exposure to progesterone on sperm-oocyte fusion and sperm-zona pellucida binding under various experimental conditions. <i>Journal of Developmental and Physical Disabilities</i> , 2002, 25, 106-112.	3.6	15
59	Determination of spermatic vein reflux after varicocele repair helps to define the efficacy of treatment in improving sperm parameters of subfertile men. <i>Journal of Endocrinological Investigation</i> , 2017, 40, 1145-1153.	3.3	15
60	Sperm-zona pellucida binding of human sperm is correlated with the immunocytochemical presence of proacrosin and acrosin in the sperm heads but not with the proteolytic activity of acrosin. <i>Fertility and Sterility</i> , 1994, 62, 1226-1233.	1.0	14
61	Vascular aetiology of erectile dysfunction. <i>Journal of Developmental and Physical Disabilities</i> , 2005, 28, 35-39.	3.6	14
62	Involvement of cannabinoid receptor-1 activation in mitochondrial depolarizing effect of lipopolysaccharide in human spermatozoa. <i>Andrology</i> , 2014, 2, 502-509.	3.5	14
63	Risk of prostate cancer in men with spinal cord injury: A systematic review and meta-analysis. <i>Asian Journal of Andrology</i> , 2018, 20, 555.	1.6	14
64	Effect of sperm morphology and motile sperm count on outcome of intrauterine insemination in oligozoospermia and/or asthenozoospermia. <i>Fertility and Sterility</i> , 1990, 53, 892-7.	1.0	14
65	RANTES and human sperm fertilizing ability: effect on acrosome reaction and sperm/oocyte fusion. <i>Molecular Human Reproduction</i> , 2008, 14, 387-391.	2.8	13
66	Activation of the immune system and sperm DNA fragmentation are associated with idiopathic oligoasthenoteratospermia in men with couple subfertility. <i>Fertility and Sterility</i> , 2011, 95, 2676-2679.e3.	1.0	13
67	Serum from patients with erectile dysfunction inhibits circulating angiogenic cells from healthy men: relationship with cardiovascular risk, endothelial damage and circulating angiogenic modulators. <i>Journal of Developmental and Physical Disabilities</i> , 2012, 35, 645-652.	3.6	13
68	Low vitamin D levels are independent predictors of 1-year worsening in physical function in people with chronic spinal cord injury: a longitudinal study. <i>Spinal Cord</i> , 2018, 56, 494-501.	1.9	13
69	Independent Association of Erectile Dysfunction and Low Testosterone Levels with Life Dissatisfaction in Men with Chronic Spinal Cord Injury. <i>Journal of Sexual Medicine</i> , 2020, 17, 911-918.	0.6	13
70	Effect of Ionophore Challenge on Hamster Egg Penetration and Acrosome Reaction of Antibody-Coated Human Sperm. <i>American Journal of Reproductive Immunology</i> , 1993, 29, 56-61.	1.2	11
71	Modification of the Slide Agglutination Test for the Detection of Sperm-Agglutinins*. <i>Andrologia</i> , 2009, 15, 699-704.	2.1	11
72	Evaluation of the effect of 17 β -OH-progesterone and 17 β -oestradiol on human sperm ability to fuse with oocytes: comparison and possible interference with the effect of progesterone. <i>Journal of Developmental and Physical Disabilities</i> , 2003, 26, 342-347.	3.6	10

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73	Metabolic syndrome is the key determinant of impaired vaginal lubrication in women with chronic spinal cord injury. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 1001-1007.	3.3	10
74	Male Autoimmune Infertility. , 2017, , 187-196.		10
75	Monoclonal antibody c262 counteracts the stimulatory effect of progesterone on sperm-oocyte fusion. <i>Journal of Developmental and Physical Disabilities</i> , 2005, 28, 27-30.	3.6	9
76	Biological control of vaginosis to improve reproductive health. <i>Indian Journal of Medical Research</i> , 2014, 140 Suppl, S91-7.	1.0	9
77	Naturally-occurring antisperm antibodies in men: interference with fertility and implications for treatment. <i>Frontiers in Bioscience - Landmark</i> , 1999, 4, e9.	3.0	8
78	The Contractile Wall of the Caput Epididymidis in Men Affected by Congenital or Postinflammatory Obstructive Azoospermia. <i>Journal of Andrology</i> , 2004, 25, 417-425.	2.0	8
79	Beta-chemokine receptor CCR5 in human spermatozoa and its relationship with seminal parameters. <i>Human Reproduction</i> , 2009, 24, 2979-2987.	0.9	8
80	Quantitative Evaluation of Leydig Cells in Testicular Biopsies of men with Varicocele. <i>Archives of Andrology</i> , 1986, 16, 111-117.	1.0	7
81	Relationship between acrosome reactions and hamster egg penetration after ionophore challenge in absence of teratozoospermia. <i>Fertility and Sterility</i> , 1995, 63, 1301-1305.	1.0	7
82	A Direct Immunofluorescence Test for the Detection of Sperm surface Bound Antibodies. Comparison with Sperm Agglutination Test, Indirect IF Test and Mar Test/Direkter Immunfluoreszenztest für die Bestimmung von Spermatozoen-Oberflächen-Antikörpern. <i>Vergle. Andrologia</i> , 1988, 20, 477-483.	2.1	7
83	Can the positive association of osteocalcin with testosterone be unmasked when the preminent hypothalamic-pituitary regulation of testosterone production is impaired? The model of spinal cord injury. <i>Journal of Endocrinological Investigation</i> , 2019, 42, 167-173.	3.3	7
84	Clinical and seminal parameters associated with testicular microlithiasis and its severity in males from infertile couples. <i>Human Reproduction</i> , 2021, 36, 891-898.	0.9	7
85	Tadalafil treatment had a modest effect on endothelial cell damage and repair ability markers in men with erectile dysfunction and vascular risk. <i>Asian Journal of Andrology</i> , 2014, 16, 290.	1.6	7
86	A prospective analysis of the accuracy of the TEST-yolk buffer enhanced hamster egg penetration test and acrosin activity in discriminating fertile from infertile males. <i>Human Reproduction</i> , 1998, 13, 2115-2121.	0.9	6
87	Blood endothelin-1 levels before and after carotid endarterectomy for atherosclerotic stenosis. <i>Atherosclerosis</i> , 2001, 154, 137-140.	0.8	6
88	Retinol binding protein 4, low birth weight-related insulin resistance and hormonal contraception. <i>Endocrine</i> , 2007, 32, 166-169.	2.3	6
89	Immunological Screening of a Male Population with Infertile Marriages. <i>Andrologia</i> , 1984, 16, 578-586.	2.1	6
90	Detection of Sperm Surface Related Antibodies by Indirect Immunofluorescence Test on Sperm Suspensions. Indirect I FT on Sperm Suspensions. <i>Andrologia</i> , 1987, 19, 69-75.	2.1	6

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91	Failure of intrauterine insemination in male immunological infertility in cases in which all spermatozoa are antibody-coated. <i>Fertility and Sterility</i> , 1992, 58, 587-92.	1.0	6
92	2â€œarachidonoylglycerol levels are increased in leukocytospermia and correlate with seminal macrophages. <i>Andrology</i> , 2017, 5, 87-94.	3.5	5
93	Effect of prolonged treatment with phosphodiesterase-5-inhibitors on endothelial dysfunction in vascular diseases and vascular risk conditions: A systematic review analysis and meta-analysis of randomized double-blind placebo-controlled trials. <i>International Journal of Clinical Practice</i> , 2019, 73, e13296.	1.7	5
94	The inhibition of the human sperm phosphatidylinositol 3-kinase by LY294002 does not interfere with sperm/oocyte interaction. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 468-474.	3.6	4
95	Psychological features in men with erectile dysfunction with or without preclinical atherosclerosis. <i>International Journal of Impotence Research</i> , 2007, 19, 597-601.	1.8	4
96	Serum From Patients with Erectile Dysfunction and Vascular Risk Factors Triggered an Oxidative Stress-Dependent Mitochondrial Apoptotic Pathway in Ex Vivo Expanded Circulating Angiogenic Cells of Healthy Men. <i>Journal of Sexual Medicine</i> , 2016, 13, 1063-1070.	0.6	4
97	Male Autoimmune Infertility. , 2009, , 145-153.		4
98	Fluorescence Microscopic Detection of Acrosin in Different Morphologic Types of Human Spermatozoa*/Fluoreszenzmikroskopische Bestimmung von Akrosin bei verschiedenen Formen menschlicher Spermatozoen. <i>Andrologia</i> , 2009, 20, 344-350.	2.1	3
99	Acute Cadmium Intoxication: Influence of Cyproterone Acetate on the Testis and Epididymis of the Rat. <i>Archives of Andrology</i> , 1981, 6, 1-11.	1.0	2
100	Immunophenotypical characterization of contractile cells in caput epididymidis of men affected by congenital or post-inflammatory obstructive azoospermia. <i>Molecular Human Reproduction</i> , 2005, 11, 289-294.	2.8	2
101	Reproductive hormones and sperm parameters after varicocele repair: An observational study. <i>Andrologia</i> , 2018, 50, e13118.	2.1	2
102	Testosterone, level of the lesion and age are independently associated with prostate volume in men with chronic spinal cord injury. <i>Journal of Endocrinological Investigation</i> , 2020, 43, 1599-1606.	3.3	2
103	Relationship between acrosome reactions and hamster egg penetration after ionophore challenge in absence of teratozoospermia. <i>Fertility and Sterility</i> , 1995, 63, 1301-5.	1.0	2
104	Interactive effect of semen and cervical mucus quality on postcoital test outcome: analysis from an andrological point of view. <i>Journal of Developmental and Physical Disabilities</i> , 2002, 25, 236-242.	3.6	1
105	Reply of the Authors: Cross-over design trials in infertilityâ€”How much multiplicity is too much?. <i>Fertility and Sterility</i> , 2010, 93, e9.	1.0	1
106	Left spermatic vein reflux after varicocele repair predicts pregnancies and live births in subfertile couples. <i>Journal of Endocrinological Investigation</i> , 2019, 42, 1215-1221.	3.3	1
107	Letter to the Editor: Comment on Gaspar AP, BrandÃ£o CM, Lazaretti-Castro M. Bone mass and hormone analysis in spinal cord injury patients: evidences for a gonadal axis disruption. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, L20-L20.	3.6	1
108	Metabolic syndrome in spinal cord injury: Impact on health. , 2022, , 377-388.		1

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109	P-031. A prospective analysis of the diagnostic value of the semen profile, TEST-yolk buffer enhanced sperm penetration assay, acrosin activity and nuclear maturity test in assessing male fertility. Human Reproduction, 1997, 12, 135-135.	0.9	0
110	O-181. Interference of sperm antibodies with induction of the acrosome reaction by zona pellucida and its relationship with inhibition of zona pellucida binding. Human Reproduction, 1997, 12, 89-90.	0.9	0