

Sara Marchiani

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,267
citations

185998

28
h-index

223531

46
g-index

67
all docs

67
docs citations

67
times ranked

2524
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the Origin of Sperm DNA Fragmentation: Role of Apoptosis, Immaturity and Oxidative Stress. <i>Molecular Medicine</i> , 2015, 21, 109-122.	1.9	202
2	Semen impairment and occurrence of SARS-CoV-2 virus in semen after recovery from COVID-19. <i>Human Reproduction</i> , 2021, 36, 1520-1529.	0.4	150
3	Nongenomic activation of spermatozoa by steroid hormones: Facts and fictions. <i>Molecular and Cellular Endocrinology</i> , 2009, 308, 39-46.	1.6	142
4	Mechanisms and clinical correlates of sperm DNA damage. <i>Asian Journal of Andrology</i> , 2012, 14, 24-31.	0.8	115
5	The CatSper calcium channel in human sperm: relation with motility and involvement in progesterone-induced acrosome reaction. <i>Human Reproduction</i> , 2014, 29, 418-428.	0.4	108
6	Tyrosine Phosphorylation of the A Kinase Anchoring Protein 3 (AKAP3) and Soluble Adenylate Cyclase Are Involved in the Increase of Human Sperm Motility by Bicarbonate ¹ . <i>Biology of Reproduction</i> , 2005, 72, 22-32.	1.2	98
7	Annexin V Binding and Merocyanine Staining Fail to Detect Human Sperm Capacitation. <i>Journal of Andrology</i> , 2004, 25, 797-810.	2.0	81
8	Variation of DNA Fragmentation Levels During Density Gradient Sperm Selection for Assisted Reproduction Techniques. <i>Medicine (United States)</i> , 2016, 95, e3624.	0.4	68
9	Nuclear staining identifies two populations of human sperm with different DNA fragmentation extent and relationship with semen parameters. <i>Human Reproduction</i> , 2008, 23, 1035-1043.	0.4	65
10	Characterization of M540 bodies in human semen: evidence that they are apoptotic bodies. <i>Molecular Human Reproduction</i> , 2007, 13, 621-631.	1.3	61
11	Origin and biological significance of DNA fragmentation in human spermatozoa. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 1491.	3.0	54
12	Sperm DNA fragmentation induced by cryopreservation: new insights and effect of a natural extract from <i>Opuntia ficus-indica</i> . <i>Fertility and Sterility</i> , 2012, 98, 326-333.	0.5	53
13	Sperm DNA Fragmentation: Mechanisms of Origin. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1166, 75-85.	0.8	51
14	Sperm ubiquitination positively correlates to normal morphology in human semen. <i>Human Reproduction</i> , 2005, 20, 1035-1043.	0.4	50
15	Androgen-responsive and -unresponsive prostate cancer cell lines respond differently to stimuli inducing neuroendocrine differentiation. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 784-793.	3.6	50
16	Small Variations in Crucial Steps of TUNEL Assay Coupled to Flow Cytometry Greatly Affect Measures of Sperm DNA Fragmentation. <i>Journal of Andrology</i> , 2010, 31, 336-345.	2.0	50
17	Development of a specific method to evaluate 8-hydroxy,2-deoxyguanosine in sperm nuclei: relationship with semen quality in a cohort of 94 subjects. <i>Reproduction</i> , 2013, 145, 227-235.	1.1	49
18	DNA fragmentation in brighter sperm predicts male fertility independently from age and semen parameters. <i>Fertility and Sterility</i> , 2015, 104, 582-590.e4.	0.5	49

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19	Rosiglitazone Inhibits Adrenocortical Cancer Cell Proliferation by Interfering with the IGF-IR Intracellular Signaling. <i>PPAR Research</i> , 2008, 2008, 1-11.	1.1	47
20	Gefitinib (IRESSA?, ZD1839) inhibits EGF-induced invasion in prostate cancer cells by suppressing PI3 γ 1/2K/AKT activation. <i>Journal of Cancer Research and Clinical Oncology</i> , 2004, 130, 604-14.	1.2	46
21	Molecular markers of human sperm functions. <i>Journal of Developmental and Physical Disabilities</i> , 2009, 32, 25-45.	3.6	39
22	Quantification of CatSper1 expression in human spermatozoa and relation to functional parameters. <i>Human Reproduction</i> , 2015, 30, 1532-1544.	0.4	36
23	Sumo1-ylation of human spermatozoa and its relationship with semen quality. <i>Journal of Developmental and Physical Disabilities</i> , 2011, 34, 581-593.	3.6	34
24	Metabolic syndrome-associated sperm alterations in an experimental rabbit model: Relation with metabolic profile, testis and epididymis gene expression and effect of tamoxifen treatment. <i>Molecular and Cellular Endocrinology</i> , 2015, 401, 12-24.	1.6	34
25	The vitamin D analogue BXL-628 inhibits growth factor-stimulated proliferation and invasion of DU145 prostate cancer cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2006, 132, 408-416.	1.2	33
26	Androgen receptor (AR) expression in prostate cancer and progression of the tumor: Lessons from cell lines, animal models and human specimens. <i>Steroids</i> , 2012, 77, 996-1001.	0.8	30
27	Semen apoptotic M540 body levels correlate with testis abnormalities: a study in a cohort of infertile subjects. <i>Human Reproduction</i> , 2012, 27, 3393-3402.	0.4	29
28	Characterization and sorting of flow cytometric populations in human semen. <i>Andrology</i> , 2014, 2, 394-401.	1.9	25
29	SUMO1 in human sperm: new targets, role in motility and morphology and relationship with DNA damage. <i>Reproduction</i> , 2014, 148, 453-467.	1.1	25
30	Progesterone, spermatozoa and reproduction: An updated review. <i>Molecular and Cellular Endocrinology</i> , 2020, 516, 110952.	1.6	25
31	Critical Aspects of Detection of Sperm DNA Fragmentation by Tunel/Flow Cytometry. <i>Systems Biology in Reproductive Medicine</i> , 2010, 56, 277-285.	1.0	24
32	Chromatin Protamination and Catsper Expression in Spermatozoa Predict Clinical Outcomes after Assisted Reproduction Programs. <i>Scientific Reports</i> , 2017, 7, 15122.	1.6	24
33	Acute effects on human sperm exposed in vitro to cadmium chloride and diisobutyl phthalate. <i>Reproduction</i> , 2019, 158, 281-290.	1.1	23
34	Non-genomic effects of the androgen receptor and Vitamin D agonist are involved in suppressing invasive phenotype of prostate cancer cells. <i>Steroids</i> , 2006, 71, 304-309.	0.8	21
35	Metabolic Syndrome and Reproduction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1988.	1.8	20
36	DNA fragmentation in two cytometric sperm populations: relationship with clinical and ultrasound characteristics of the male genital tract. <i>Asian Journal of Andrology</i> , 2017, 19, 272.	0.8	20

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37	Markers of human sperm functions in the ICSI era. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1344.	3.0	19
38	Signaling Mechanisms That Mediate Invasion in Prostate Cancer Cells. <i>Annals of the New York Academy of Sciences</i> , 2004, 1028, 283-288.	1.8	16
39	LH supplementation of ovarian stimulation protocols influences follicular fluid steroid composition contributing to the improvement of ovarian response in poor responder women. <i>Scientific Reports</i> , 2020, 10, 12907.	1.6	16
40	Adverse effects of in vitro manipulation of spermatozoa. <i>Animal Reproduction Science</i> , 2020, 220, 106314.	0.5	15
41	Consequences of Anabolic-Androgenic Steroid Abuse in Males; Sexual and Reproductive Perspective. <i>World Journal of Men's Health</i> , 2022, 40, 165.	1.7	15
42	The androgen receptor and prostate cancer invasion. <i>Molecular and Cellular Endocrinology</i> , 2006, 246, 157-162.	1.6	14
43	SHBG as a Marker of NAFLD and Metabolic Impairments in Women Referred for Oligomenorrhea and/or Hirsutism and in Women With Sexual Dysfunction. <i>Frontiers in Endocrinology</i> , 2021, 12, 641446.	1.5	14
44	Are biomarkers evaluated in biopsy specimens predictive of prostate cancer aggressiveness?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 201-212.	1.2	13
45	Sperm DNA fragmentation in cryopreserved samples from subjects with different cancers. <i>Reproduction, Fertility and Development</i> , 2017, 29, 637.	0.1	13
46	Male reproductive system inflammation after healing from coronavirus disease 2019. <i>Andrology</i> , 2022, 10, 1030-1037.	1.9	13
47	Cardiometabolic risk is unraveled by color Doppler ultrasound of the clitoral and uterine arteries in women consulting for sexual symptoms. <i>Scientific Reports</i> , 2021, 11, 18899.	1.6	9
48	Effects of common Gram-negative pathogens causing male genitourinary-tract infections on human sperm functions. <i>Scientific Reports</i> , 2021, 11, 19177.	1.6	8
49	Testosterone positively regulates vagina NO-induced relaxation: an experimental study in rats. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 1161-1172.	1.8	7
50	Biological meaning of ubiquitination and DNA fragmentation in human spermatozoa. <i>Society of Reproduction and Fertility Supplement</i> , 2007, 63, 153-8.	0.2	6
51	Spermatozoal Chromatin Structure: Role in Sperm Functions and Fertilization. , 2020, , 39-55.		3
52	Safety issues in semen banks during the COVID-19 pandemic: data from a European survey. <i>Journal of Endocrinological Investigation</i> , 2022, 45, 973.	1.8	3
53	M540 bodies and their impact on flow cytometric analyses of human spermatozoa. <i>Society of Reproduction and Fertility Supplement</i> , 2007, 65, 509-14.	0.2	3
54	Epididymal Sperm Transport and Fertilization. <i>Endocrinology</i> , 2017, , 457-478.	0.1	2

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55	Main Effects of In Vitro Manipulation of Human Spermatozoa. , 2021, , 263-272.		2
56	Reply: COVID-19: semen impairment may not be related to the virus. Human Reproduction, 2021, 36, 2065-2066.	0.4	2
57	Epididymal Sperm Transport and Fertilization. Endocrinology, 2017, , 1-22.	0.1	1
58	Chromatin Condensation: Chromomycin A3 (CMA3) Stain. , 2021, , 151-155.		0
59	Sperm DNA fragmentation as assessed by TUNEL/PI: mean values in fertile men and intra individual variability. Endocrine Abstracts, 0, , .	0.0	0
60	CATSPER calcium channels in human spermatozoa and their role in responsiveness to progesterone (P). Endocrine Abstracts, 0, , .	0.0	0
61	Characterization of sumoylated proteins in human sperm. Endocrine Abstracts, 0, , .	0.0	0
62	New insights in sperm biology: How benchside results in the search for molecular markers may help understand male infertility. World Journal of Translational Medicine, 2016, 5, 26.	3.5	0