Jacob Rubinstein

List of Publications by Year
in descending order

35	725	623734	526287
papers	citations	14	27
		h-index	g-index

35	35	35	593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of Semaphorin 3A in Malignant and Normal Bladder Tissue: Immunohistochemistry Staining and Morphometric Evaluation. Biology, 2021, 10, 109.	2.8	0
2	Phenotypic Models of CAR T-Cell Activation Elucidate the Pivotal Regulatory Role of CAR Downmodulation. Molecular Cancer Therapeutics, 2021, 20, 946-957.	4.1	8
3	A flexible anatomical set of mechanical models for the organ of Corti. Royal Society Open Science, 2021, 8, 210016.	2.4	0
4	On the geometry of visual starbursts. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, B58.	1.5	4
5	Ray mappings and the weighted least action principle. Journal of Mathematics in Industry, 2018, 8, .	1.2	2
6	Preoperative neutrophil to lymphocyte ratio improves recurrence prediction of non-muscle invasive bladder cancer. BMC Urology, 2018, 18, 90.	1.4	23
7	The mathematical theory of multifocal lenses. Chinese Annals of Mathematics Series B, 2017, 38, 647-660.	0.4	3
8	Geometrical optics and optimal transport. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 1817.	1.5	9
9	Neutrophil-to-lymphocyte ratio predicts progression and recurrence of nonâ€"muscle-invasive bladder cancer. Urologic Oncology: Seminars and Original Investigations, 2015, 33, 67.e1-67.e7.	1.6	78
10	Supporting quadric method in optical design of freeform lenses for illumination control of a collimated light. Advances in Applied Mathematics, 2015, 62, 160-183.	0.7	34
11	On the initial propagation of dental caries. Journal of the Royal Society Interface, 2014, 11, 20140809.	3.4	6
12	Ray mapping and illumination control. Journal of Photonics for Energy, 2013, 3, 035599.	1.3	14
13	On the relation between power and astigmatism near an umbilic line. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 734.	1.5	4
14	Professor Arie Leizarowitz, 1953â€"2010. Stochastic Models, 2011, 27, 1-1.	0.5	1
15	The Resistive State in a Superconducting Wire: Bifurcation from the Normal State. Archive for Rational Mechanics and Analysis, 2010, 195, 117-158.	2.4	25
16	Wavelength adjustment using an eye model from aberrometry data. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 1561.	1.5	13
17	A diffractive optical element for shaping arbitrary beams. Optical Review, 2008, 15, 140-142.	2.0	4
18	Intensity control with a free-form lens. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 463.	1.5	64

#	Article	IF	Citations
19	The distance between homotopy classes of S 1-valued maps in multiply connected domains. Israel Journal of Mathematics, 2007, 160, 41-59.	0.8	5
20	Elliptic problems on networks with constrictions. Calculus of Variations and Partial Differential Equations, 2006, 26, 459-487.	1.7	4
21	A weighted least action principle for dispersive waves. Annals of Physics, 2005, 316, 271-284.	2.8	13
22	Introduction: Superconductivity and the Ginzburg–Landau model. Journal of Mathematical Physics, 2005, 46, 095101.	1.1	0
23	An L infty/L 1-Constrained Quadratic Optimization Problem with Applications to Neural Networks. Applied Mathematics and Optimization, 2004, 49, 55-80.	1.6	0
24	A variational principle in optics. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 2164.	1.5	25
25	Differential relations for the imaging coefficients of asymmetric systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 2365.	1.5	25
26	On mesoscopic superconducting samples. , 2002, , .		3
27	First?price auctions when the ranking of valuations is common knowledge. Review of Economic Design, 2001, 6, 461-480.	0.3	42
28	On the Zero Set of the Wave Function in Superconductivity. Communications in Mathematical Physics, 1999, 202, 621-628.	2.2	26
29	Formation of topological defects in thin superconducting rings. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1997, 355, 1969-1978.	3.4	7
30	Homotopy classification of minimizers of the Ginzburg-Landau energy and the existence of permanent currents. Communications in Mathematical Physics, 1996, 179, 257-263.	2.2	44
31	ON THE PROPAGATOR OF THE STOKES EQUATION AND A DYNAMICAL DEFINITION OF VISCOSITY. Chemical Engineering Communications, 1996, 148-150, 385-390.	2.6	5
32	Topology of the Order Parameter in the Little-Parks Experiment. Physical Review Letters, 1995, 75, 320-322.	7.8	45
33	Evolution equations for stratified dilute suspensions. Physics of Fluids A, Fluid Dynamics, 1990, 2, 3-6.	1.6	23
34	Flow in random porous media: mathematical formulation, variational principles, and rigorous bounds. Journal of Fluid Mechanics, 1989, 206, 25-46.	3.4	164
35	Catastrophe optics theory unveils the localised wave aberration features that generate ghost images. Ophthalmic and Physiological Optics, 0, , .	2.0	2