

# Jose Gabriel Rodrigo

## List of Publications by Year in descending order

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58  
papers

1,655  
citations

411340

20  
h-index

325983

40  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplified feedback control system for scanning tunneling microscopy. Review of Scientific Instruments, 2021, 92, 103705.	0.6	5
2	Superconductivity in a disordered metal with Coulomb interactions. Physical Review Research, 2020, 2, .	1.3	5
3	Robust, carbon related, superconducting nanostructure at the apex of a tungsten STM tip. Applied Physics Letters, 2019, 115, 073108.	1.5	1
4	1. Imaging vortices in superconductors: from the atomic scale to macroscopic distances. , 2017, , 29-60.		0
5	Fermionic scenario for the destruction of superconductivity in ultrathin MoC films evidenced by STM measurements. Physical Review B, 2016, 93, .	1.1	34
6	Charge density wave in layered $\text{La}_{1-x}\text{Bi}_x\text{FeAs}$ . Physical Review B, 2015, 92, .		
7	Note: Long-range scanning tunneling microscope for the study of nanostructures on insulating substrates. Review of Scientific Instruments, 2014, 85, 026105.	0.6	2
8	Imaging superconducting vortex cores and lattices with a scanning tunneling microscope. Superconductor Science and Technology, 2014, 27, 063001.	1.8	81
9	Scanning tunneling microscopy and spectroscopy at very low temperatures. Journal of Physics: Conference Series, 2014, 568, 022045.	0.3	0
10	Scanning tunneling measurements of layers of superconducting $\text{H-TaSe}_2$ . Physical Review B, 2013, 87, .	1.1	33
11	Type II superconductivity in $\text{SrPd}_2\text{Ge}_2$ . Superconductor Science and Technology, 2013, 26, 015010.	1.8	5
12	Magnetic Pair Breaking in Superconducting $\text{SrPd}_2\text{Ge}_2$ Investigated by Scanning Tunneling Spectroscopy. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1199-1203.	0.8	3
13	Topologically Protected Quantum Transport in Locally Exfoliated Bismuth at Room Temperature. Physical Review Letters, 2013, 110, 176802.	2.9	101
14	Topological superconductivity in metallic nanowires fabricated with a scanning tunneling microscope. New Journal of Physics, 2013, 15, 055020.	1.2	4
15	Tunneling spectroscopy of the superconducting state of $\text{URu}_2\text{Si}_2$ . Physical Review B, 2012, 85, .	1.1	7
16	Conventional superconductivity in $\text{SrPd}_2\text{Ge}_2$ . Physical Review B, 2012, 85, .	1.1	12
17	Topological Superconducting State of Lead Nanowires in an External Magnetic Field. Physical Review Letters, 2012, 109, 237003.	2.9	19
18	Superconducting density of states and vortex studies on $\text{SrPd}_2\text{Ge}_2$ . Physica C: Superconductivity and Its Applications, 2012, 479, 95-97.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Scanning microscopies of superconductors at very low temperatures. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 479, 19-23.	0.6	7
20	Demonstration experiments for solid-state physics using a table-top mechanical Stirling refrigerator. <i>European Journal of Physics</i> , 2012, 33, 757-770.	0.3	3
21	Calibrating the frequency of tuning forks by means of Lissajous figures. <i>American Journal of Physics</i> , 2011, 79, 517-520.	0.3	10
22	Chiral charge order in the superconductor $2\text{H-TaS}_2$ . <i>New Journal of Physics</i> , 2011, 13, 103020.	1.2	45
23	Enhanced Superconductivity in Nanosized Tips of Scanning Tunnelling Microscope. <i>Acta Physica Polonica A</i> , 2010, 118, 1038-1039.	0.2	10
24	Evolution of the Local Superconducting Density of States in $\text{ErRh}_4\text{B}_4$ Close to the Ferromagnetic Transition. <i>Physical Review Letters</i> , 2009, 102, 237002.		10
25	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. <i>Journal of Chemical Physics</i> , 2009, 130, 204508.	1.2	2
26	Scanning tunneling spectroscopy of the vortex state in $\text{NbSe}_2$ using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 547-551.	0.6	4
27	Intrinsic Josephson junction behaviour of the low $T_c$ superconductor $(\text{LaSe})_{1.14}(\text{NbSe}_2)$ . <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 543-546.	0.6	3
28	Experimental study of the thermal expansion of $(\text{AgI})_{0.67}(\text{Ag}_2\text{MoO}_4)_{0.33}$ ionic glass from 5 K to 300 K. <i>Philosophical Magazine</i> , 2008, 88, 3973-3978.	0.7	2
29	Josephson current at atomic scale: Tunneling and nanocontacts using a STM. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 437-438, 270-273.	0.6	12
30	Superconducting nanostructures fabricated with the scanning tunnelling microscope. <i>Journal of Physics Condensed Matter</i> , 2004, 16, R1151-R1182.	0.7	38
31	On the use of STM superconducting tips at very low temperatures. <i>European Physical Journal B</i> , 2004, 40, 483-488.	0.6	69
32	Scanning Tunneling Microscopy and Spectroscopy of $(\text{LaSe})_{1.14}(\text{NbSe}_2)$ at Very Low Temperatures and in Magnetic Field. <i>European Physical Journal D</i> , 2004, 54, 489-492.	0.4	8
33	STM study of multiband superconductivity in $\text{NbSe}_2$ using a superconducting tip. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 404, 306-310.	0.6	75
34	Scanning tunneling spectroscopy in $\text{MgB}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 385, 233-243.	0.6	42
35	Superconducting nanobridges under magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 237, 386-393.	0.7	17
36	Incommensurate and commensurate magnetic structures of the ternary germanide $\text{CeNiGe}_3$ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 77-90.	0.7	20

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37	Scanning Tunneling Spectroscopy in Anisotropic s-Wave Superconductors. International Journal of Modern Physics B, 2003, 17, 3300-3303.	1.0	4
38	Quantum Conductance in Semimetallic Bismuth Nanocontacts. Physical Review Letters, 2002, 88, 246801.	2.9	29
39	Scanning tunneling microscopy and spectroscopy at very low temperatures. Physica C: Superconductivity and Its Applications, 2002, 369, 106-112.	0.6	23
40	Flux pinning in a superconducting film by a regular array of magnetic dots. Physica C: Superconductivity and Its Applications, 2000, 332, 356-359.	0.6	12
41	Tunneling and point-contact spectroscopy on NbSe <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2000, 332, 450-455.	0.6	6
42	Giant vortex state in perforated aluminum microsquares. Physical Review B, 1999, 60, 4285-4292.	1.1	66
43	Comparative spectroscopic study of NiS <sub>2</sub> single crystals. Physical Review B, 1998, 58, 10256-10260.	1.1	2
44	Nanosized superconducting constrictions. Physical Review B, 1998, 58, 11173-11176.	1.1	32
45	Point-contact spectroscopy on URu <sub>2</sub> Si <sub>2</sub> . Physical Review B, 1997, 55, 14318-14322.	1.1	40
46	STM study of the atomic contact between metallic electrodes. Physica B: Condensed Matter, 1996, 218, 238-241.	1.3	38
47	STM study of independent mesoscopic superconducting particles. Physica B: Condensed Matter, 1996, 218, 265-268.	1.3	3
48	Conductance step for a single-atom contact in the scanning tunneling microscope: Noble and transition metals. Physical Review B, 1996, 53, 16086-16090.	1.1	98
49	Josephson effect in nanoscopic structures. Physical Review B, 1994, 50, 12788-12792.	1.1	11
50	Conductance regimes in superconducting junctions of atomic size. Physical Review B, 1994, 50, 374-379.	1.1	9
51	Superconducting phonon structure in the transition from tunneling to contact regime. Physical Review B, 1994, 50, 7177-7179.	1.1	6
52	Plastic deformation in atomic size contacts. Thin Solid Films, 1994, 253, 199-203.	0.8	28
53	Conductance steps and quantization in atomic-size contacts. Physical Review B, 1993, 47, 12345-12348.	1.1	402
54	Atomic-scale connective neck formation and characterization. Physical Review B, 1993, 48, 8499-8501.	1.1	61

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55	Transition from the tunneling regime to point contact and proximity-induced Josephson effect in lead-normal-metal nanojunctions. <i>Physical Review B</i> , 1992, 46, 5814-5817.	1.1	34
56	On the transition from tunneling regime to point-contact: graphite. <i>Ultramicroscopy</i> , 1992, 42-44, 177-183.	0.8	20
57	Tunneling measurements of the energy gap in Tl- and Bi-based oxide superconductors. <i>Journal of Applied Physics</i> , 1990, 67, 5026-5028.	1.1	9
58	Tunneling measurements of the energy gap in the high-Tc superconductor $Tl_2Ba_2Ca_2Cu_3O_{10+\delta}$ . <i>Physical Review B</i> , 1989, 40, 11403-11405.	1.1	17