Jose Gonzalez

List of Publications by Year
in descending order

109	4,121	172457	114465
papers	citations	29 h-index	63 g-index

110	110	110	2901
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic phases from competing Hubbard and extended Coulomb interactions in twisted bilayer graphene. Physical Review B, 2021, 104, .	3.2	5
2	Time-reversal symmetry breaking versus chiral symmetry breaking in twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	14
3	Change of chirality at magic angles of twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	10
4	Marginal Fermi Liquid in Twisted Bilayer Graphene. Physical Review Letters, 2020, 124, 186801.	7.8	23
5	Surface and bulk Landau levels in thin films of Weyl semimetals. Physical Review B, 2020, 101, .	3.2	8
6	Kohn-Luttinger Superconductivity in Twisted Bilayer Graphene. Physical Review Letters, 2019, 122, 026801.	7.8	194
7	Surface and 3D Quantum Hall Effects from Engineering of Exceptional Points in Nodal-Line Semimetals. Physical Review Letters, 2018, 120, 146601.	7.8	69
8	Topological protection from exceptional points in Weyl and nodal-line semimetals. Physical Review B, 2017, 96, .	3.2	62
9	Competition between disorder and interaction effects in three-dimensional Weyl semimetals. Physical Review B, 2017, 96, .	3.2	11
10	Confining and repulsive potentials from effective non-Abelian gauge fields in graphene bilayers. Physical Review B, 2016, 94, .	3.2	6
11	Macroscopic Degeneracy of Zero-Mode Rotating Surface States in 3D Dirac and Weyl Semimetals under Radiation. Physical Review Letters, 2016, 116, 156803.	7.8	28
12	Phase diagram of the quantum electrodynamics of two-dimensional and three-dimensional Dirac semimetals. Physical Review B, 2015, 92, .	3.2	32
13	Strong-coupling phases of 3D Dirac and Weyl semimetals. A renormalization group approach. Journal of High Energy Physics, 2015, 2015, 1.	4.7	15
14	Rippling transition from electron-induced condensation of curvature field in graphene. Physical Review B, 2014, 90, .	3.2	9
15	Marginal Fermi liquid versus excitonic instability in three-dimensional Dirac semimetals. Physical Review B, 2014, 90, .	3.2	22
16	Dynamical breakdown of parity and time-reversal invariance in the many-body theory of graphene. Journal of High Energy Physics, 2013, 2013, 1.	4.7	12
17	Magnetic and Kohn-Luttinger instabilities near a Van Hove singularity: Monolayer versus twisted bilayer graphene. Physical Review B, 2013, 88, .	3.2	41
18	Higher-order renormalization of graphene many-body theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	10

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19	Electron self-energy effects on chiral symmetry breaking in graphene. Physical Review B, 2012, 85, .	3.2	32
20	Non-Abelian Gauge Potentials in Graphene Bilayers. Physical Review Letters, 2012, 108, 216802.	7.8	187
21	Progress in Modeling Graphene: The Novel Features of this Material. Advanced Materials, 2011, 23, 5324-5326.	21.0	3
22	Electron-Induced Rippling in Graphene. Physical Review Letters, 2011, 106, 045502.	7.8	84
23	Interplay of Tomonaga-Luttinger liquids and superconductive phase in carbon nanotubes. Europhysics Letters, 2010, 89, 27003.	2.0	1
24	Extended van Hove Singularity and Superconducting Instability in Doped Graphene. Physical Review Letters, 2010, 104, 136803.	7.8	294
25	Graphene wormholes: A condensed matter illustration of Dirac fermions in curved space. Nuclear Physics B, 2010, 825, 426-443.	2.5	68
26	Renormalization group approach to chiral symmetry breaking in graphene. Physical Review B, 2010, 82, .	3.2	30
27	Propagating, evanescent, and localized states in carbon nanotubeâ€“graphene junctions. Physical Review B, 2009, 79, .	3.2	40
28	Many-body effects on out-of-plane phonons in graphene. New Journal of Physics, 2009, 11, 095015.	2.9	10
29	Unconventional Quasiparticle Lifetime in Graphene. Physical Review Letters, 2008, 101, 176802.	7.8	10
30	Critical currents in graphene Josephson junctions. Journal of Physics Condensed Matter, 2008, 20, 145218.	1.8	21
31	Kohn-Luttinger superconductivity in graphene. Physical Review B, 2008, 78, .	3.2	135
32	Electronic instabilities of a Hubbard model approached as a large array of coupled chains: Competition betweend-wave superconductivity and pseudogap phase. Physical Review B, 2008, 77, .	3.2	0
33	Cooper-pair propagation and superconducting correlations in graphene. Physical Review B, 2007, 76, .	3.2	24
34	Quantum Hall effect in carbon nanotubes and curved graphene strips. Physical Review B, 2007, 76, .	3.2	30
35	Magnetic field effects in carbon nanotubes. Journal of Physics Condensed Matter, 2007, 19, 395017.	1.8	17
36	Superconductivity in multi-walled carbon nanotubes and doped graphite. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1039-1040.	1.2	2

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37	Electronic instabilities in 3D arrays of small-diameter (3, 3) carbon nanotubes. European Physical Journal B, 2006, 51, 571-581.	1.5	11
38	Electronic correlations of small diameter carbon nanotubes. Journal of Physics Condensed Matter, 2006, 18, S2105-S2114.	1.8	1
39	Modulation of Luttinger liquid exponents in multiwalled carbon nanotubes. Physical Review B, 2006, 74, .	3.2	6
40	Theory of superconductivity in multiwalled carbon nanotubes. Physical Review B, 2006, 74, .	3.2	20
41	Coulomb screening and electronic instabilities of small-diameter (5,0) nanotubes. Physical Review B, 2005, 72, .	3.2	30
42	Crossover from the Luttinger-Liquid to Coulomb-Blockade Regime in Carbon Nanotubes. Physical Review Letters, 2005, 95, 186403.	7.8	22
43	Current instability and diamagnetism in small-diameter carbon nanotubes. Physical Review B, 2005, 72, .	3.2	5
44	Phase diagram of carbon nanotube ropes. Physical Review B, 2004, 70, .	3.2	8
45	Doping- and size-dependent suppression of tunneling in carbon nanotubes. Physical Review B, 2004, 69, .	3.2	11
46	Selection rules and superconducting correlations in carbon nanotubes. European Physical Journal B, 2003, 36, 317-326.	1.5	5
47	Large N effects and renormalization of the long-range Coulomb interaction in carbon nanotubes. Nuclear Physics B, 2003, 663, 605-621.	2.5	13
48	Insulating, Superconducting, and Large-Compressibility Phases in Nanotube Ropes. Physical Review Letters, 2003, 91, 076401.	7.8	17
49	Superconductivity in carbon nanotube ropes. Physical Review B, 2003, 67, .	3.2	30
50	Superconducting and pseudogap phases from scaling near a Van Hove singularity. Physical Review B, 2003, 67, .	3.2	4
51	A transport approach to the superconducting proximity effect in carbon nanotubes. Journal of Physics Condensed Matter, 2003, 15, S2473-S2488.	1.8	5
52	Microscopic Model of Superconductivity in Carbon Nanotubes. Physical Review Letters, 2002, 88, 076403.	7.8	61
53	Spin and superconducting instabilities near a Van Hove singularity. Nuclear Physics B, 2002, 642, 407-432.	2.5	4
54	Properties of electrons near a Van Hove singularity. Journal of Physics and Chemistry of Solids, 2002, 63, 2295-2297.	4.0	13

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55	Electron-electron interactions in graphene sheets. Physical Review B, 2001, 63, .	3.2	222
56	Crossover from marginal Fermi liquid to Luttinger liquid behavior in carbon nanotubes. Physical Review B, 2001, 64, .	3.2	22
57	Charge instabilities near a Van Hove singularity. Physical Review B, 2001, 63, .	3.2	19
58	Consistency of Superconducting Correlations with One-Dimensional Electron Interactions in Carbon Nanotubes. Physical Review Letters, 2001, 87, 136401.	7.8	43
59	On the Coulomb interaction in chiral-invariant one-dimensional electron systems. European Physical Journal B, 2000, 18, 3-8.	1.5	30
60	Charge-density-wave formation by Van Hove nesting in the Î±-phase of Sn/Ge(111). Physical Review B, 2000, 62, 6928-6931.	3.2	6
61	Microscopic description ofd-wave superconductivity by Van Hove nesting in the Hubbard model. Physical Review B, 2000, 63, .	3.2	10
62	Kinematics of Electrons near a Van Hove Singularity. Physical Review Letters, 2000, 84, 4930-4933.	7.8	35
63	Finite-size scaling and conformal anomaly of the Ising model in curved space. Physical Review E, 2000, 61, 3384-3387.	2.1	7
64	ANISOTROPIC FERMI SURFACES AND KOHNâ€“LUTTINGER SUPERCONDUCTIVITY IN TWO DIMENSIONS. International Journal of Modern Physics B, 1999, 13, 2545-2572.	2.0	3
65	Marginal-Fermi-liquid behavior from two-dimensional Coulomb interaction. Physical Review B, 1999, 59, R2474-R2477.	3.2	397
66	Weak-coupling phases of the attractive t â^' t â€² Hubbard model at the Van Hove filling. Europhysics Letters, 1998, 44, 641-647.	2.0	8
67	Exact Finite Size Results for the Ising Model on the Tetrahedron. Modern Physics Letters B, 1998, 12, 309-318.	1.9	0
68	Superconducting, Ferromagnetic and Antiferromagnetic Phases in thet-tâ€²Hubbard Model. Journal of the Physical Society of Japan, 1998, 67, 1868-1871.	1.6	37
69	Instability of Anisotropic Fermi Surfaces in Two Dimensions. Physical Review Letters, 1997, 79, 3514-3517.	7.8	26
70	Strong-coupling phases of thetâ^'tâ€²Hubbard model. Physical Review B, 1997, 56, 367-371.	3.2	5
71	Renormalization group approach to the normal state of copper-oxide superconductors. Nuclear Physics B, 1997, 485, 694-724.	2.5	40
72	Van hove scenario of high-T c superconductivity. , 1997, , 305-323.		0

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73	Variational approach to the Hubbard model in aC60cluster. Physical Review B, 1996, 53, 11729-11733.	3.2	3
74	Unconventional Quasiparticle Lifetime in Graphite. Physical Review Letters, 1996, 77, 3589-3592.	7.8	210
75	Renormalization group analysis of electrons near a van Hove singularity. Europhysics Letters, 1996, 34, 711-716.	2.0	54
76	Non fermi liquid behavior in semimetals. Applications to the fullerenes. Journal of Low Temperature Physics, 1995, 99, 287-292.	1.4	13
77	Bosonization on a lattice: The emergence of the higher harmonics. Physical Review B, 1995, 51, 4807-4812.	3.2	2
78	Non-Fermi Liquid Behavior of Electrons in the 2D Honeycomb Lattice: A Renormalization Group Analysis. NATO ASI Series Series B: Physics, 1995, , 283-286.	0.2	0
79	ON THE NATURE OF NONPERTURBATIVE EFFECTS IN STABILIZED 2-D QUANTUM GRAVITY. Modern Physics Letters A, 1994, 09, 2253-2264.	1.2	0
80	Shake-up effects and intermolecular tunneling inC60ions. Physical Review B, 1994, 50, 5752-5755.	3.2	4
81	The Ising model on tetrahedron-like lattices: a finite-size analysis. Journal of Physics A, 1994, 27, 2965-2983.	1.6	17
82	Non-Fermi liquid behavior of electrons in the half-filled honeycomb lattice (A renormalization group) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	516
83	Electronic interactions in fullerene spheres. Physical Review B, 1993, 47, 16576-16581.	3.2	10
84	The electronic spectrum of fullerenes from the Dirac equation. Nuclear Physics B, 1993, 406, 771-794.	2.5	240
85	THEORETICAL ASPECTS OF FULLERENES. International Journal of Modern Physics B, 1993, 07, 4331-4352.	2.0	10
86	ELECTROSTATIC SCREENING IN FULLERENE MOLECULES. Modern Physics Letters B, 1993, 07, 1593-1599.	1.9	24
87	MULTICRITICALITY IN STABILIZED 2D QUANTUM GRAVITY. Modern Physics Letters A, 1992, 07, 3465-3477.	1.2	0
88	Continuum approximation to fullerene molecules. Physical Review Letters, 1992, 69, 172-175.	7.8	180
89	On the fusion rules of conformal matter coupled to 2D quantum gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 278, 428-438.	4.1	1
90	A new vacuum for the supersymmetric one-dimensional discretized string. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 367-374.	4.1	5

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91	Critical behavior of the nonperturbative stabilization of 2D quantum gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 55-60.	4.1	6
92	A supersymmetric model of random surfaces at D = 1. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 267-272.	4.1	3
93	Constraints on background fields from modular invariance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 237, 386-391.	4.1	1
94	Modular invariance of the partition function for the bosonic string in background fields. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 238, 187-192.	4.1	2
95	ON THE STABILITY OF SUPERSYMMETRY IN CURVED SPACE-TIME. Modern Physics Letters A, 1990, 05, 417-423.	1.2	0
96	All-Order No-Renormalization of the Mass and Interaction Lagrangians for Anti-de Sitter Supersymmetry. Progress of Theoretical Physics, 1990, 83, 1224-1233.	2.0	1
97	NON-PERTURBATIVE VACUUM WAVE-FUNCTIONAL AND CLOSED STRING EQUATIONS OF MOTION. Modern Physics Letters A, 1989, 04, 961-970.	1.2	0
98	Superfield formulation of anti-de Sitter supersymmetry. Classical and Quantum Gravity, 1989, 6, 505-517.	4.0	2
99	String effective action in the inverse dimensional-expansion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 206, 217-220.	4.1	0
100	Is anti-de Sitter supersymmetry radiatively broken?. Nuclear Physics B, 1988, 302, 423-447.	2.5	7
101	Boundary conditions and renormalization in antiâ€“de Sitter supersymmetry. Physical Review D, 1988, 37, 2357-2360.	4.7	3
102	Pauli-Villars regularization of the Wess-Zumino model in antiâ€“de Sitter space. Physical Review D, 1986, 34, 1076-1088.	4.7	11
103	One-loop-order renormalization of the massive Wess-Zumino model in antiâ€“de Sitter space. Physical Review D, 1986, 33, 2319-2325.	4.7	10
104	One-loop-order renormalization of the massless Wess-Zumino model in antiâ€“de Sitter space. Physical Review D, 1986, 33, 619-622.	4.7	14
105	Gravitational versus finite-temperature effects in SU(5) symmetry breaking. Physical Review D, 1985, 31, 1296-1314.	4.7	2
106	Quantum gravitational fluctuations in the SU(5) symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 341-345.	4.1	0
107	A new result on the gluon magnetic mass in Hartree-Fock approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 125, 421-423.	4.1	0
108	Gluon magnetic mass in Hartree-Fock approximation. Nuclear Physics B, 1982, 204, 485-497.	2.5	2

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109	Encounter with a stranger metal. Nature Physics, 0, , .	16.7	0