

# Erio Tosatti

## List of Publications by Citations

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353  
papers

15,812  
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67  
h-index

111  
g-index

367  
ext. papers

16,736  
ext. citations

6.5  
avg, IF

6.32  
L-index

#	Paper	IF	Citations
353	Melting of small gold particles: Mechanism and size effects. <i>Physical Review Letters</i> , <b>1991</b> , 66, 911-914	7.4	405
352	Theory of quantum annealing of an Ising spin glass. <i>Science</i> , <b>2002</b> , 295, 2427-30	33.3	403
351	Simulation of gold in the glue model. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1988</b> , 58, 213-226		403
350	Superionic and metallic states of water and ammonia at giant planet conditions. <i>Science</i> , <b>1999</b> , 283, 44-63	33.3	376
349	Au(100) surface reconstruction. <i>Physical Review Letters</i> , <b>1986</b> , 57, 719-722	7.4	326
348	Colloquium: Modeling friction: From nanoscale to mesoscale. <i>Reviews of Modern Physics</i> , <b>2013</b> , 85, 529-552	10.5	325
347	Physics of iron at Earth's core conditions. <i>Science</i> , <b>2000</b> , 287, 1027-30	33.3	316
346	Semi-Metal-Insulator Transition of the Hubbard Model in the Honeycomb Lattice. <i>Europhysics Letters</i> , <b>1992</b> , 19, 699-704	1.6	283
345	Magnetic tunnel junctions with ferroelectric barriers: prediction of four resistance States from first principles. <i>Nano Letters</i> , <b>2009</b> , 9, 427-32	11.5	267
344	Anisotropy of the Optical Constants and the Band Structure of Graphite. <i>Physical Review</i> , <b>1969</b> , 178, 1340-1348		266
343	Noncrystalline Structures of Ultrathin Unsupported Nanowires. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3775-3778	7.8	253
342	Energy-Dependent State-Density Corrugation of a Graphite Surface as Seen by Scanning Tunneling Microscopy. <i>Europhysics Letters</i> , <b>1986</b> , 1, 31-36	1.6	252
341	Giant Raman scattering by adsorbed molecules on metal surfaces. <i>Solid State Communications</i> , <b>1979</b> , 29, 567-570	1.6	244
340	String tension and stability of magic tip-suspended nanowires. <i>Science</i> , <b>2001</b> , 291, 288-90	33.3	241
339	The effect of surface roughness on the adhesion of elastic solids. <i>Journal of Chemical Physics</i> , <b>2001</b> , 115, 5597-5610	3.9	224
338	Electrical, structural and magnetic properties of pure and doped 1T-TaS <sub>2</sub> . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>1979</b> , 39, 229-244		222
337	Strongly correlated superconductivity. <i>Science</i> , <b>2002</b> , 296, 2364-6	33.3	188

- 336 Surface charge-density wave phase transitions on Mo(001) and W(001). *Solid State Communications*, **1978**, 25, 637-640 1.6 173
- 335 Explaining the uneven distribution of numbers in nature: the laws of Benford and Zipf. *Physica A: Statistical Mechanics and Its Applications*, **2001**, 293, 297-304 3.3 158
- 334 Pressure-Induced Transformation Path of Graphite to Diamond. *Physical Review Letters*, **1995**, 74, 4015-4018 4.1 150
- 333 Direct mapping of the solid-liquid adhesion energy with subnanometre resolution. *Nature Nanotechnology*, **2010**, 5, 401-5 28.7 146
- 332 Electron-vibron interactions in charged fullerenes. I. Berry phases. *Physical Review B*, **1994**, 49, 12998-13007 9.9 146
- 331 Instability, Distortion, and Dynamics of the W(100) Surface. *Physical Review Letters*, **1980**, 44, 1684-1687 7.4 138
- 330 Two-membered silicon rings on the dehydroxylated surface of silica. *Physical Review Letters*, **2000**, 84, 3887-90 7.4 137
- 329  $\alpha$ -gallium: A metallic molecular crystal. *Physical Review B*, **1991**, 43, 14277-14280 3.3 136
- 328 Colloquium: Modeling the unconventional superconducting properties of expanded A3C60 fullerides. *Reviews of Modern Physics*, **2009**, 81, 943-958 40.5 134
- 327 Ab initio calculations of structural and electronic properties of gallium solid-state phases. *Physical Review B*, **1995**, 52, 9988-9998 3.3 133
- 326 Structural Phase Transformations via First-Principles Simulation. *Europhysics Letters*, **1994**, 26, 345-351 1.6 133
- 325 Premelting of thin wires. *Physical Review B*, **1995**, 51, 7377-7380 3.3 131
- 324 Dissociation of methane into hydrocarbons at extreme (planetary) pressure and temperature. *Science*, **1997**, 275, 1288-90 33.3 128
- 323 Melting and nonmelting of solid surfaces and nanosystems. *Physics Reports*, **2005**, 411, 291-321 27.7 128
- 322 Surface melting of copper. *Physical Review B*, **1985**, 31, 3456-3459 3.3 128
- 321 Ultrahard carbon film from epitaxial two-layer graphene. *Nature Nanotechnology*, **2018**, 13, 133-138 28.7 124
- 320 Pressure-induced solid carbonates from molecular CO<sub>2</sub> by computer simulation. *Science*, **1999**, 284, 788-903 39.3 117
- 319 First-principle-constant pressure molecular dynamics. *Journal of Physics and Chemistry of Solids*, **1995**, 56, 501-505 3.9 117

318	Surface theory of melting. <i>Solid State Communications</i> , <b>1979</b> , 32, 255-259	1.6	115
317	Ferroelectricity and isotope effects in hydrogen-bonded KDP crystals. <i>Physical Review Letters</i> , <b>2002</b> , 89, 187602	7.4	113
316	Melting and nonmelting behavior of the Au(111) surface. <i>Physical Review B</i> , <b>1987</b> , 36, 6701-6704	3.3	113
315	Reconstruction of the diamond (111) surface. <i>Physical Review Letters</i> , <b>1992</b> , 69, 2947-2950	7.4	111
314	The puzzling stability of monatomic gold wires. <i>Surface Science</i> , <b>1999</b> , 426, L441-L446	1.8	109
313	Do we know the true structure of Ge(111)(2 × 8)? <i>Physical Review Letters</i> , <b>1992</b> , 69, 648-651	7.4	108
312	C60/corannulene on Cu(110): a surface-supported bistable buckybowl-buckyball host-guest system. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4767-71	16.4	103
311	Electron-vibron interactions in charged fullerenes. II. Pair energies and spectra. <i>Physical Review B</i> , <b>1994</b> , 49, 13008-13016	3.3	98
310	High-pressure polymeric phases of carbon dioxide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 6077-81	11.5	96
309	Interchain electron states in polyethylene. <i>Physical Review B</i> , <b>2000</b> , 62, 4389-4393	3.3	96
308	Layering transition in confined molecular thin films: Nucleation and growth. <i>Physical Review B</i> , <b>1994</b> , 50, 5590-5599	3.3	95
307	Structure, energetics, and low-temperature behaviour of the Au(110) reconstructed surface. <i>Surface Science</i> , <b>1987</b> , 188, 321-326	1.8	93
306	Two-dimensional excitonic insulators: Si and Ge (111) surfaces. <i>Solid State Communications</i> , <b>1974</b> , 14, 773-777	1.6	92
305	Nonmagnetic molecular Jahn-Teller Mott insulators. <i>Physical Review B</i> , <b>1997</b> , 55, 13465-13472	3.3	91
304	"Magic" vicinal surfaces stabilized by reconstruction. <i>Physical Review Letters</i> , <b>1989</b> , 63, 872-875	7.4	87
303	Mean-value point and dielectric properties of semiconductors and insulators. <i>Physical Review B</i> , <b>1978</b> , 17, 4710-4717	3.3	87
302	Coexistence of Monatomic and Diatomic Molecular Fluid Character in Liquid Gallium. <i>Europhysics Letters</i> , <b>1993</b> , 21, 469-475	1.6	85
301	Strong-coupling phases of two Hubbard chains with interchain hopping. <i>Physical Review B</i> , <b>1992</b> , 46, 3159-316285	3.3	85

300	Lattice theory of crystal surface melting. <i>Physical Review Letters</i> , <b>1987</b> , 59, 2207-2210	7.4	85
299	Ballistic nanofriction. <i>Nature Materials</i> , <b>2010</b> , 9, 634-7	27	83
298	Au(100) reconstruction in the glue model. <i>Surface Science</i> , <b>1986</b> , 177, 314-328	1.8	81
297	Colossal magnetic anisotropy of monatomic free and deposited platinum nanowires. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 22-5	28.7	80
296	Proton order in the ice crystal surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 5969-74	11.5	78
295	Metallization and incomplete melting of a semiconductor surface at high temperature. <i>Physical Review Letters</i> , <b>1994</b> , 72, 2227-2230	7.4	78
294	Systematic improvement of classical nucleation theory. <i>Physical Review Letters</i> , <b>2012</b> , 108, 225701	7.4	77
293	Solid Molecular Hydrogen: The Broken Symmetry Phase. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2783-2786	7.4	77
292	Spectroscopic evidence for polarons in poly(3-methylthiophene). <i>Solid State Communications</i> , <b>1985</b> , 55, 419-422	1.6	77
291	Pressure-Induced Magnetic Collapse and Metallization of Molecular Oxygen: The $\beta$ O <sub>2</sub> Phase. <i>Physical Review Letters</i> , <b>1998</b> , 80, 5160-5163	7.4	75
290	Charge-density waves and surface Mott insulators for adlayer structures on semiconductors: Extended Hubbard modeling. <i>Physical Review B</i> , <b>1999</b> , 59, 1891-1901	3.3	74
289	Unoccupied electronic states of graphite as probed by inverse-photoemission and tunneling spectroscopy. <i>Physical Review B</i> , <b>1986</b> , 33, 5770-5773	3.3	74
288	Theory of spin-flip excitations across the ferromagnetic stoner gap in electron energy loss. <i>Solid State Communications</i> , <b>1984</b> , 52, 905-908	1.6	73
287	Strong correlations in electron doped phthalocyanine conductors near half filling. <i>Physical Review Letters</i> , <b>2004</b> , 93, 117002	7.4	70
286	NonFermi-Liquid Exponents of the One-Dimensional Hubbard Model. <i>Europhysics Letters</i> , <b>1990</b> , 12, 721-726	7.4	65
285	Static and dynamic friction in sliding colloidal monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 16429-33	11.5	63
284	Decomposition and Polymerization of Solid Carbon Monoxide under Pressure. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2092-2095	7.4	63
283	Solid-State Polymerization of Acetylene under Pressure: Ab Initio Simulation. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2008-2011	7.4	62

282	Reconstruction, disordering and roughening of metal surfaces. <i>Surface Science Reports</i> , <b>1993</b> , 17, 363-422.	2.9	62
281	Electron-vibration coupling constants in positively charged fullerene. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , <b>2001</b> , 81, 793-812		61
280	Dielectric band structure of crystals: General properties and calculations for silicon. <i>Physical Review B</i> , <b>1981</b> , 24, 985-999	3.3	61
279	Kondo conductance in an atomic nanocontact from first principles. <i>Nature Materials</i> , <b>2009</b> , 8, 563-7	27	60
278	Single-particle and collective excitations in ferromagnetic iron from electron-energy-loss spectroscopy. <i>Physical Review B</i> , <b>1982</b> , 25, 2490-2502	3.3	59
277	Hindered rolling and friction anisotropy in supported carbon nanotubes. <i>Nature Materials</i> , <b>2009</b> , 8, 876-81	17	58
276	MATERIALS SCIENCE: Weird Gold Nanowires. <i>Science</i> , <b>2000</b> , 289, 561-3	33.3	56
275	Dielectric band structure of solids. <i>Solid State Communications</i> , <b>1979</b> , 29, 131-135	1.6	56
274	Vibrational spectra of atomic H and D on Cu(110): Evidence for H quantum delocalization. <i>Physical Review Letters</i> , <b>1992</b> , 68, 90-93	7.4	55
273	Reconstructed W(001) surface: distortion and phonons at T=0. <i>Physical Review B</i> , <b>1987</b> , 35, 4264-4283	3.3	55
272	Lattice theory of surface melting. <i>Physical Review B</i> , <b>1988</b> , 38, 6961-6974	3.3	55
271	Anomalous attachment of low-energy electrons to C60. <i>Chemical Physics Letters</i> , <b>1994</b> , 223, 61-64	2.5	54
270	High temperature surface metallization of Ge(111) detected by electron energy loss spectroscopy. <i>Physical Review Letters</i> , <b>1994</b> , 73, 1951-1954	7.4	54
269	Low-frequency adsorbate vibrational relaxation and sliding friction. <i>Physical Review B</i> , <b>1999</b> , 59, 11777-11791	3.3	53
268	Surface lattice-dynamical approach to the reconstruction of W(100) and W(100): H. <i>Surface Science</i> , <b>1983</b> , 125, 317-325	1.8	52
267	Structural and electronic properties of the (111)2 x 1 surface of Ge from first-principles calculations. <i>Physical Review B</i> , <b>1991</b> , 44, 13611-13617	3.3	48
266	Molecular-dynamics theory of the temperature-dependent surface phonons of W(001). <i>Physical Review B</i> , <b>1988</b> , 37, 2116-2122	3.3	47
265	Can Liquid Metal Surfaces Have Hexatic Order?. <i>Physical Review Letters</i> , <b>1997</b> , 78, 3153-3156	7.4	46

264	Qualitative theory of rubber friction and wear. <i>Journal of Chemical Physics</i> , <b>2000</b> , 112, 2021-2029	3.9	46
263	Theory of the metal-nonmagnetic Mott-Jahn-Teller insulator transition in A4C60. <i>Physical Review B</i> , <b>2000</b> , 62, 7619-7624	3.3	46
262	SC4: A metallic phase of carbon at terapascal pressures. <i>Physical Review B</i> , <b>1996</b> , 53, 5051-5054	3.3	46
261	Electron-phonon interaction at the Be(0001) surface. <i>Physical Review Letters</i> , <b>2003</b> , 91, 166803	7.4	44
260	Adatom diffusion and disordering at the Ge(111)-c(2 x 8)-(1 x 1) surface transition. <i>Physical Review B</i> , <b>1994</b> , 49, 10757-10760	3.3	44
259	Monte Carlo study of phase transitions and scattering intensities in a model of Au(110). <i>Surface Science</i> , <b>1992</b> , 273, 237-251	1.8	44
258	Interlayer interaction and optical properties of layer semiconductors: 2H and 4H polytypes of PbI <sub>2</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>1975</b> , 68, 569-574	1.3	43
257	Metallic, magnetic and molecular nanocontacts. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 499-508	28.7	42
256	Orientalional Phase Separation for Vicinal Surfaces Close to the Nonmelting Pb(111) Face. <i>Europhysics Letters</i> , <b>1992</b> , 17, 333-337	1.6	42
255	Optimization by quantum annealing: Lessons from simple cases. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	41
254	Static friction scaling of physisorbed islands: the key is in the edge. <i>Nanoscale</i> , <b>2015</b> , 7, 2093-101	7.7	39
253	Giant frictional dissipation peaks and charge-density-wave slips at the NbSe <sub>2</sub> surface. <i>Nature Materials</i> , <b>2014</b> , 13, 173-7	27	39
252	Why are alkali halide surfaces not wetted by their own melt?. <i>Physical Review Letters</i> , <b>2005</b> , 94, 176105	7.4	39
251	Maximum overheating and partial wetting of nonmelting solid surfaces. <i>Physical Review Letters</i> , <b>1995</b> , 74, 3201-3204	7.4	39
250	Model semiconductor dielectric function. <i>Journal of Physics and Chemistry of Solids</i> , <b>1971</b> , 32, 623-626	3.9	39
249	Spin-Liquid Ground State in a Two-Dimensional Nonfrustrated Spin Model. <i>Physical Review Letters</i> , <b>1999</b> , 83, 3065-3068	7.4	38
248	Dipole-Quadrupole Interactions and the Nature of Phase III of Compressed Hydrogen. <i>Physical Review Letters</i> , <b>1999</b> , 83, 4097-4100	7.4	38
247	Anisotropic roughening theory of the (110) faces of Cu, Ni, Pd, and Ag. <i>Surface Science</i> , <b>1990</b> , 233, 184-207		38

246	On the roughening of molten surfaces. <i>Surface Science</i> , <b>1986</b> , 178, 425-433	1.8	38
245	Nonperturbative results for few electrons in the two-dimensional Hubbard model. <i>Physical Review B</i> , <b>1991</b> , 44, 1033-1046	3.3	37
244	Preroughening, diffusion, and growth of a fcc(111) surface. <i>Physical Review Letters</i> , <b>1995</b> , 75, 4468-4471	7.4	36
243	Role of layering oscillations at liquid metal surfaces in bulk recrystallization and surface melting. <i>Physical Review Letters</i> , <b>1996</b> , 76, 1118-1121	7.4	36
242	Charge and Spin Density Waves on Semiconductor Surfaces. <i>Japanese Journal of Applied Physics</i> , <b>1974</b> , 13, 381	1.4	36
241	Multiwalled nanotube faceting unravelled. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 1082-1086	28.7	35
240	Sealing is at the origin of rubber slipping on wet roads. <i>Nature Materials</i> , <b>2004</b> , 3, 882-5	27	35
239	Disproportionation phenomena on free and strained Sn/Ge(111) and Sn/Si(111) surfaces. <i>Physical Review Letters</i> , <b>2002</b> , 89, 126803	7.4	35
238	Incomplete melting of the Au(100) surface. <i>Physical Review B</i> , <b>1993</b> , 48, 11240-11248	3.3	35
237	Dielectric Constant and Mobility of a Doped Zero-Gap Semiconductor. <i>Physical Review Letters</i> , <b>1969</b> , 23, 772-774	7.4	35
236	Complex band structures and decay length in polyethylene chains. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 3731-3740	1.8	34
235	Trapping of excitons at chemical defects in polyethylene. <i>Journal of Chemical Physics</i> , <b>2004</b> , 121, 6478-84	3.9	34
234	Direct transition between a singlet Mott insulator and a superconductor. <i>Physical Review Letters</i> , <b>2001</b> , 86, 5361-4	7.4	34
233	Plasmon behavior at the charge-density-wave onset in 2H-TaSe <sub>2</sub> . <i>Physical Review B</i> , <b>1979</b> , 20, 2217-2227	3.3	34
232	Dynamical Jahn-Teller effect and Berry phase in positively charged fullerenes: Basic considerations. <i>Physical Review B</i> , <b>1996</b> , 54, 7157-7167	3.3	33
231	Canonical Statistical Averages of Coupled Quantum-Classical Systems. <i>Europhysics Letters</i> , <b>1993</b> , 24, 431-436	4.8	33
230	Self-trapping vs. non-trapping of electrons and holes in organic insulators: polyethylene. <i>Chemical Physics Letters</i> , <b>2002</b> , 360, 487-493	2.5	32
229	Surprises in the orbital magnetic moment and g factor of the dynamic Jahn-Teller ion C <sub>60</sub> <sup>-</sup> . <i>Physical Review B</i> , <b>1996</b> , 54, 17184-17190	3.3	32



228	d-wave, dimer, and chiral states in the two-dimensional Hubbard model. <i>Physical Review B</i> , <b>1991</b> , 43, 6190-6193	3.3	32
227	Multifractal analysis of fluctuations for wave functions localized by disorder. <i>Physical Review B</i> , <b>1987</b> , 36, 5635-5638	3.3	32
226	f-f excitations by resonant electron-exchange collisions in rare-earth metals. <i>Physical Review Letters</i> , <b>1985</b> , 55, 2995-2998	7.4	32
225	Dynamical and thermal properties of polyethylene by ab initio simulation. <i>Chemical Physics Letters</i> , <b>2000</b> , 331, 339-345	2.5	31
224	Anisotropic a-C:H from compression of polyacetylene. <i>Physical Review Letters</i> , <b>1996</b> , 76, 2081-2084	7.4	31
223	"Direct" evaluation of the inverse dielectric matrix in semiconductors. <i>Physical Review B</i> , <b>1984</b> , 29, 7045-7047	3.9	31
222	Spin-orbit modifications and splittings of deep surface states on clean Au(1 1 1). <i>Surface Science</i> , <b>2008</b> , 602, 893-905	1.8	30
221	Static friction on the fly: velocity depinning transitions of lubricants in motion. <i>Physical Review Letters</i> , <b>2007</b> , 99, 206101	7.4	30
220	SiC(0001): A surface Mott-Hubbard insulator. <i>Physical Review B</i> , <b>2000</b> , 61, 1752-1755	3.3	30
219	Theory of friction: elastic coherence length and earthquake dynamics. <i>Solid State Communications</i> , <b>1999</b> , 109, 739-744	1.6	30
218	Dielectric Matrix and Phonon Frequencies in Silicon. <i>Physical Review Letters</i> , <b>1972</b> , 28, 1578-1581	7.4	30
217	Dielectric-screening matrix and lattice dynamics of Si. <i>Physical Review B</i> , <b>1974</b> , 9, 1710-1718	3.3	30
216	Graphene nanoribbons on gold: understanding superlubricity and edge effects. <i>2D Materials</i> , <b>2017</b> , 4, 045003	5.9	29
215	Kondo conductance across the smallest spin 1/2 radical molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 69-74	11.5	29
214	Noncolinear spin polarization from frustrated antiferromagnetism: A possible scenario for molecular oxygen at high pressure. <i>Physical Review B</i> , <b>2000</b> , 61, 6145-6149	3.3	29
213	Missing-Row Roughening of (110) Surfaces. <i>Europhysics Letters</i> , <b>1989</b> , 8, 657-662	1.6	29
212	Cooling quasiparticles in A3C60 fullerides by excitonic mid-infrared absorption. <i>Nature Physics</i> , <b>2018</b> , 14, 154-159	16.2	28
211	Physics of solid and liquid alkali halide surfaces near the melting point. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 164701	3.9	28

210	Asymmetric frictional sliding between incommensurate surfaces. <i>Surface Science</i> , <b>2006</b> , 600, 2726-2729	1.8	28
209	The electronic structure of 4d transition-metal monatomic wires. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, 8061-8074	1.8	28
208	Electron-phonon coupling and surface-state polarons on Si(111)2 $\times$ 1. <i>Physical Review B</i> , <b>1984</b> , 30, 7067-7093	3.1	28
207	Model band structure of reconstructed (111) 2 $\times$ 1 surface of silicon. <i>Solid State Communications</i> , <b>1975</b> , 17, 387-390	1.6	28
206	Frictional transition from superlubric islands to pinned monolayers. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 714-8	28.7	27
205	Structure of small gallium clusters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1992</b> , 166, 369-372	2.3	27
204	Surface-Melting-Induced Preroughening. <i>Physical Review Letters</i> , <b>1999</b> , 83, 2753-2756	7.4	26
203	Atomic dynamics and structure of the Ge(111)c(2 x 8) surface. <i>Physical Review B</i> , <b>1995</b> , 51, 10844-10850	3.3	26
202	Path-integral Monte Carlo study of a model two-dimensional quantum paraelectric. <i>Physical Review B</i> , <b>1994</b> , 49, 12596-12613	3.3	26
201	Charge-Density-Wave Band Structure and Infrared and Visible Thermoreflectance of 2H-TaSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>1977</b> , 38, 95-98	7.4	26
200	Structure, transition, and dynamics of a displacive incommensurate surface reconstruction. <i>Physical Review Letters</i> , <b>1988</b> , 60, 2661-2664	7.4	25
199	Surface state excitons in semiconductors. <i>Solid State Communications</i> , <b>1977</b> , 22, 307-310	1.6	25
198	The puzzling collapse of electronic sliding friction on a superconductor surface. <i>Surface Science</i> , <b>1998</b> , 411, L855-L857	1.8	24
197	Peak effect versus skating in high-temperature nanofriction. <i>Nature Materials</i> , <b>2007</b> , 6, 230-4	27	24
196	Exact zero-point energy shift in the e $\nu$ (nE), t $\nu$ (nH) many-modes dynamic Jahn-Teller systems at strong coupling. <i>Physical Review B</i> , <b>1998</b> , 58, 782-790	3.3	24
195	Finite-size calculations of FQHE states at filling $\nu=1/2$ . <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1987</b> , 9, 1337-1358		24
194	Self-consistent phonons, thermal properties, and vibrational instability of the copper crystal. <i>Physical Review B</i> , <b>1985</b> , 31, 470-478	3.3	24
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