

# László Forrá

## List of Publications by Year in descending order

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488  
papers

28,292  
citations

6233

80  
h-index

6818

155  
g-index

491  
all docs

491  
docs citations

491  
times ranked

27710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic and Shear Moduli of Single-Walled Carbon Nanotube Ropes. <i>Physical Review Letters</i> , 1999, 82, 944-947.	2.9	1,352
2	Cellular Toxicity of Carbon-Based Nanomaterials. <i>Nano Letters</i> , 2006, 6, 1121-1125.	4.5	1,011
3	Ising pairing in superconducting NbSe <sub>2</sub> atomic layers. <i>Nature Physics</i> , 2016, 12, 139-143.	6.5	806
4	From Mott state to superconductivity in 1T-TaS <sub>2</sub> . <i>Nature Materials</i> , 2008, 7, 960-965.	13.3	799
5	Aharonov-Bohm oscillations in carbon nanotubes. <i>Nature</i> , 1999, 397, 673-675.	13.7	736
6	Aligned Carbon Nanotube Films: Production and Optical and Electronic Properties. <i>Science</i> , 1995, 268, 845-847.	6.0	706
7	Field emission from single-wall carbon nanotube films. <i>Applied Physics Letters</i> , 1998, 73, 918-920.	1.5	674
8	Strongly enhanced charge-density-wave order in monolayer NbSe <sub>2</sub> . <i>Nature Nanotechnology</i> , 2015, 10, 765-769.	15.6	643
9	Reinforcement of single-walled carbon nanotube bundles by intertube bridging. <i>Nature Materials</i> , 2004, 3, 153-157.	13.3	534
10	Polymeric fullerene chains in RbC <sub>60</sub> and KC <sub>60</sub> . <i>Nature</i> , 1994, 370, 636-639.	13.7	499
11	High mobility n-type charge carriers in large single crystals of anatase (TiO <sub>2</sub> ). <i>Journal of Applied Physics</i> , 1994, 75, 633-635.	1.1	480
12	Field emission from carbon nanotubes: perspectives for applications and clues to the emission mechanism. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, 245-254.	1.1	462
13	Transport properties, thermodynamic properties, and electronic structure of SrRuO <sub>3</sub> . <i>Physical Review B</i> , 1996, 53, 4393-4398.	1.1	418
14	Ultra-Low Thermal Conductivity in Organic-Inorganic Hybrid Perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2488-2492.	2.1	416
15	Pressure Induced Superconductivity in Pristine $\text{TiSe}_2$ . <i>Physical Review Letters</i> , 2014, 113, 257001.	2.9	382
16	Evidence for an Excitonic Insulator Phase in $\text{TiSe}_2$ . <i>Physical Review Letters</i> , 2014, 113, 257002.	2.9	379
17	Quasi-one-dimensional electronic structure in orthorhombic RbC <sub>60</sub> . <i>Physical Review Letters</i> , 1994, 72, 2721-2724.	2.9	329
18	Subnanometer Motion of Cargoes Driven by Thermal Gradients Along Carbon Nanotubes. <i>Science</i> , 2008, 320, 775-778.	6.0	322

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19	Resonances arising from hydrodynamic memory in Brownian motion. <i>Nature</i> , 2011, 478, 85-88.	13.7	315
20	Nanomechanics of Microtubules. <i>Physical Review Letters</i> , 2002, 89, 248101.	2.9	309
21	Purification and size-selection of carbon nanotubes. <i>Advanced Materials</i> , 1997, 9, 827-831.	11.1	277
22	Nanowires of Methylammonium Lead Iodide (CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> ) Prepared by Low Temperature Solution-Mediated Crystallization. <i>Nano Letters</i> , 2014, 14, 6761-6766.	4.5	257
23	Electrochemical carbon nanotube field-effect transistor. <i>Applied Physics Letters</i> , 2001, 78, 1291-1293.	1.5	253
24	Field emission properties of multiwalled carbon nanotubes. <i>Ultramicroscopy</i> , 1998, 73, 7-15.	0.8	244
25	Tunable Polaronic Conduction in Anatase $\text{TiO}_2$ . <i>Physical Review Letters</i> , 2013, 110, 196403.	2.9	237
26	CVD synthesis of high-purity multiwalled carbon nanotubes using CaCO <sub>3</sub> catalyst support for large-scale production. <i>Chemical Physics Letters</i> , 2003, 378, 9-17.	1.2	228
27	Electronic properties of doped fullerenes. <i>Reports on Progress in Physics</i> , 2001, 64, 649-699.	8.1	217
28	Single-Crystalline (KC60) <sub>n</sub> : A Conducting Linear Alkali Fulleride Polymer. <i>Science</i> , 1994, 265, 1077-1078.	6.0	213
29	Carbon Nanotube Based Bearing for Rotational Motions. <i>Nano Letters</i> , 2004, 4, 709-712.	4.5	213
30	Hopping in disordered conducting polymers. <i>Physical Review B</i> , 1994, 50, 5196-5203.	1.1	210
31	Abatement of organics and Escherichia coli by N, S co-doped TiO <sub>2</sub> under UV and visible light. Implications of the formation of singlet oxygen (1O <sub>2</sub> ) under visible light. <i>Applied Catalysis B: Environmental</i> , 2009, 88, 398-406.	10.8	204
32	Orthorhombic AlC60: A conducting linear alkali fulleride polymer?. <i>Solid State Communications</i> , 1994, 90, 349-352.	0.9	190
33	Determination of the Intershell Conductance in Multiwalled Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 93, 176806.	2.9	189
34	<i>In Vitro</i> Investigation of the Cellular Toxicity of Boron Nitride Nanotubes. <i>ACS Nano</i> , 2011, 5, 3800-3810.	7.3	184
35	Electron field emitters based on carbon nanotube films. <i>Advanced Materials</i> , 1997, 9, 87-89.	11.1	179
36	Beta-amyloid deposition and Alzheimer's type changes induced by Borrelia spirochetes. <i>Neurobiology of Aging</i> , 2006, 27, 228-236.	1.5	172

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37	Quasiparticle damping in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> and Bi <sub>2</sub> Sr <sub>2</sub> CuO <sub>6</sub> . Physical Review Letters, 1992, 68, 1590-1593.	2.9	168
38	Kosterlitz-Thouless transition of fluxless solitons in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals. Physical Review B, 1988, 38, 2847-2850.	1.1	161
39	Growth of Single-Crystalline KNbO <sub>3</sub> Nanostructures. Journal of Physical Chemistry B, 2006, 110, 58-61.	1.2	157
40	Microengineered CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature. Small, 2015, 11, 4824-4828.	5.2	151
41	Gate Tuning of Electronic Phase Transitions in Two-Dimensional $\text{NbSe}_2$ . Physical Review Letters, 2016, 117, 106801.	2.9	151
42	Field-Emission-Induced Luminescence from Carbon Nanotubes. Physical Review Letters, 1998, 81, 1441-1444.	2.9	150
43	Direct Observation of Nondiffusive Motion of a Brownian Particle. Physical Review Letters, 2005, 95, 160601.	2.9	149
44	Tuning of the Thermoelectric Figure of Merit of CH <sub>3</sub> NH <sub>3</sub> MI <sub>3</sub> (M = Pb, Sn) Photovoltaic Perovskites. Journal of Physical Chemistry C, 2015, 119, 11506-11510.	1.5	145
45	Direct growth of carbon nanotubes on carbon fibers: Effect of the CVD parameters on the degradation of mechanical properties of carbon fibers. Diamond and Related Materials, 2015, 51, 39-48.	1.8	141
46	Giant tunnelling anisotropy in the high- $T_c$ superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . Nature, 1991, 351, 460-462.	13.7	140
47	Na <sub>4</sub> C <sub>60</sub> : An Alkali Intercalated Two-Dimensional Polymer. Physical Review Letters, 1997, 78, 4438-4441.	2.9	136
48	Magnetic susceptibility of $\pm$ and $\Gamma_2^2$ phases of di[bis(ethylenedithio)tetrafulvalene] triiodide [(BEDT-TTF) <sub>2</sub> I <sub>3</sub> ] under pressure. Physical Review B, 1986, 34, 704-712.	1.1	135
49	Synthesis of MWNT-based composite materials with inorganic coating. Acta Materialia, 2003, 51, 1447-1452.	3.8	135
50	Pseudogap and Superconducting Gap in the Electronic Raman Spectra of Underdoped Cuprates. Physical Review Letters, 1997, 78, 4837-4840.	2.9	133
51	Catalytic CVD Synthesis of Carbon Nanotubes: Towards High Yield and Low Temperature Growth. Materials, 2010, 3, 4871-4891.	1.3	130
52	Magnetic anisotropies of aligned carbon nanotubes. Physical Review B, 1995, 52, R6963-R6966.	1.1	123
53	Shear and Young's Moduli of MoS <sub>2</sub> Nanotube Ropes. Advanced Materials, 2003, 15, 733-736.	11.1	123
54	Spectroscopic and Photophysical Properties of a Highly Derivatized C <sub>60</sub> Fullerol. Advanced Functional Materials, 2006, 16, 120-128.	7.8	122

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55	Carrier relaxation, pseudogap, and superconducting gap in high-Tccuprates: A Raman scattering study. Physical Review B, 2000, 61, 9752-9774.	1.1	121
56	Metallic conductivity and metal-insulator transition in (AC60)n(A=K, Rb, and Cs) linear polymer fullerenes. Physical Review B, 1995, 51, 14794-14797.	1.1	117
57	Conduction electron spin resonance inRb3C60. Physical Review Letters, 1993, 71, 1091-1094.	2.9	116
58	Single C-C bond in (C60)22âˆ”. Physical Review B, 1996, 54, 11849-11852.	1.1	115
59	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. Toxicology Research, 2016, 5, 407-419.	0.9	113
60	Two-dimensional electron localization in bulk single crystals ofBi2Sr2YxCa1âˆ”xCu2O8. Physical Review B, 1991, 44, 2418-2421.	1.1	112
61	Dimerization inKC60andRbC60. Physical Review B, 1995, 51, 12228-12232.	1.1	106
62	Optically switched magnetism in photovoltaic perovskite CH3NH3(Mn:Pb)I3. Nature Communications, 2016, 7, 13406.	5.8	106
63	Exploring the Mechanical Properties of Single Vimentin Intermediate Filaments by Atomic Force Microscopy. Journal of Molecular Biology, 2006, 360, 623-630.	2.0	105
64	High-Efficiency Solid-State Dye-Sensitized Solar Cells: Fast Charge Extraction through Self-Assembled 3D Fibrous Network of Crystalline TiO<sub>2</sub> Nanowires. ACS Nano, 2010, 4, 7644-7650.	7.3	105
65	Addition of Carbon Radicals Generated from Organic Peroxides to Single Wall Carbon Nanotubes. Chemistry of Materials, 2003, 15, 4751-4755.	3.2	104
66	NANOTECHNOLOGY: Beyond Gedanken Experiments. Science, 2000, 289, 560-561.	6.0	99
67	Synthesis, Characterization, and Photocatalytic Activities of Nanoparticulate N, S-Codoped TiO<sub>2</sub> Having Different Surface-to-Volume Ratios. Journal of Physical Chemistry C, 2010, 114, 2717-2723.	1.5	99
68	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe 2. Nature Materials, 2018, 17, 504-508.	13.3	98
69	Thermal conductivity of insulatingBi2Sr2YCuo2O8and superconductingBi2Sr2CaCu2O8: Failure of the phonon-gas picture. Physical Review B, 1994, 49, 9073-9079.	1.1	96
70	Effect of Band Structure on Quantum Interference in Multiwall Carbon Nanotubes. Physical Review Letters, 2005, 94, 186802.	2.9	94
71	Evaluation of the toxicity of graphene derivatives on cells of the lung luminal surface. Carbon, 2013, 64, 45-60.	5.4	94
72	Photocatalytic hydrogen generation from a visible-light responsive metalâ€“organic framework system: the impact of nickel phosphide nanoparticles. Journal of Materials Chemistry A, 2018, 6, 2476-2481.	5.2	94

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73	Spectral Consequences of Broken Phase Coherence in 1T- TaS_{2}. Physical Review Letters, 1998, 81, 1058-1061.	2.9	93
74	A novel quasi-one-dimensional topological insulator in bismuth iodide $\hat{I}^2$ -Bi <sub>4</sub> I <sub>4</sub> . Nature Materials, 2016, 15, 154-158.	13.3	90
75	Cellular Toxicity of TiO <sub>2</sub> -Based Nanofilaments. ACS Nano, 2009, 3, 2274-2280.	7.3	89
76	Hall effect and magnetoresistance of carbon nanotube films. Physical Review B, 1997, 55, 6704-6707.	1.1	87
77	Carbon nanotube/magnesium composites. Physica Status Solidi A, 2004, 201, R53-R55.	1.7	85
78	Controlled Positioning of Carbon Nanotubes by Dielectrophoresis: Insights into the Solvent and Substrate Role. ACS Nano, 2010, 4, 279-284.	7.3	85
79	Two-dimensional polymer of C60. Solid State Communications, 1995, 93, 265-267.	0.9	84
80	Lithium niobate nanowires synthesis, optical properties, and manipulation. Applied Physics Letters, 2009, 95, 143105.	1.5	82
81	Controlled growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires in arrays of open nanofluidic channels. Scientific Reports, 2016, 6, 19834.	1.6	81
82	Observation of the conductivity coherence peak in superconducting Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. Physical Review Letters, 1991, 67, 152-155.	2.9	80
83	Composition, structure, and electrical properties of Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-y</sub> YCu <sub>2</sub> O <sub>8</sub> : A single-crystal study. Physical Review B, 1992, 45, 13025-13034.	1.1	80
84	Multiwalled carbon nanotube/polymer nanocomposites: Processing and properties. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1186-1197.	2.4	80
85	Printing Gel-like Catalysts for the Directed Growth of Multiwall Carbon Nanotubes. Langmuir, 2000, 16, 6877-6883.	1.6	77
86	Mechanical Properties of Microtubules Explored Using the Finite Elements Method. ChemPhysChem, 2004, 5, 252-257.	1.0	77
87	Evidence of anisotropic metallic behaviour in the optical properties of carbon nanotubes. Solid State Communications, 1996, 99, 513-517.	0.9	75
88	A nanoscale probe for fluidic and ionic transport. Nature Nanotechnology, 2007, 2, 104-107.	15.6	75
89	Growth of Carbon Nanotubes with Alkaline Earth Carbonate as Support. Journal of Physical Chemistry B, 2005, 109, 10087-10091.	1.2	74
90	Direct evidence for a very large penetration depth in superconducting Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. Nature, 1990, 343, 444-446.	13.7	73

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91	Evidence of lipid peroxidation and protein phosphorylation in cells upon oxidative stress photo-generated by fullerols. <i>Biophysical Chemistry</i> , 2010, 152, 164-169.	1.5	73
92	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , 2021, 15, 4077-4084.	7.3	71
93	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe <sub>2</sub> . <i>Nano Letters</i> , 2018, 18, 2623-2629.	4.5	70
94	Mechanical Purification of Single-Walled Carbon Nanotube Bundles from Catalytic Particles. <i>Nano Letters</i> , 2002, 2, 1349-1352.	4.5	69
95	Thermoelectric power of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals with varying oxygen stoichiometry. <i>Solid State Communications</i> , 1990, 73, 501-505.	0.9	68
96	Far-infrared transmission study of single-crystal Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1</sub> Cu <sub>2</sub> O <sub>x</sub> superconductors. <i>Physical Review Letters</i> , 1990, 65, 1941-1944.	2.9	68
97	Catalytically Grown Carbon Nanotubes of Small Diameter Have a High Young's Modulus. <i>Nano Letters</i> , 2005, 5, 2074-2077.	4.5	65
98	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , 2020, 30, 2004615.	7.8	65
99	Two-fold symmetric superconductivity in few-layer NbSe <sub>2</sub> . <i>Nature Physics</i> , 2021, 17, 949-954.	6.5	65
100	Anisotropic Memory Effects in Confined Colloidal Diffusion. <i>Physical Review Letters</i> , 2008, 100, 240604.	2.9	63
101	Nanopore Integrated Nanogaps for DNA Detection. <i>Nano Letters</i> , 2014, 14, 244-249.	4.5	63
102	Hall effect and thermoelectric power of an YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.8</sub> single crystal. <i>Solid State Communications</i> , 1989, 69, 1097-1101.	0.9	62
103	Comparison of the photocatalytic efficiencies of bare and doped rutile and anatase TiO <sub>2</sub> photocatalysts under visible light for phenol degradation and E. coli inactivation. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 566-574.	10.8	62
104	Evidence of an Equimolar C <sub>2</sub> H <sub>2</sub> →CO <sub>2</sub> Reaction in the Synthesis of Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 441-444.	7.2	61
105	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25204-25208.	1.5	61
106	Orbitally driven spin pairing in the three-dimensional nonmagnetic Mott insulator BaVS <sub>3</sub> : Evidence from single-crystal studies. <i>Physical Review B</i> , 2000, 61, R7831-R7834.	1.1	59
107	Oscillation modes of microtubules. <i>Biology of the Cell</i> , 2004, 96, 697-700.	0.7	59
108	Low-Temperature, Highly Efficient Growth of Carbon Nanotubes on Functional Materials by an Oxidative Dehydrogenation Reaction. <i>ACS Nano</i> , 2010, 4, 3702-3708.	7.3	59

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109	Gapless Superconductivity in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . Europhysics Letters, 1993, 22, 199-204.	0.7	57
110	Antiferromagnetic Resonance in the Linear Chain Conducting Polymers RbC <sub>60</sub> and CsC <sub>60</sub> . Physical Review Letters, 1997, 79, 2718-2721.	2.9	57
111	Towards electron spin resonance of mechanically exfoliated graphene. Physica Status Solidi (B): Basic Research, 2009, 246, 2558-2561.	0.7	57
112	Observation of an Unconventional Metal-Insulator Transition in Overdoped CuO <sub>2</sub> Compounds. Physical Review Letters, 2002, 89, 107003.	2.9	56
113	Single-band model for the temperature-dependent Hall coefficient of high-T <sub>c</sub> superconductors. Physical Review B, 1992, 46, 14297-14300.	1.1	55
114	NMR Evidence for 1D Antiferromagnetic Properties in Cs <sub>1</sub> C <sub>60</sub> and Rb <sub>1</sub> C <sub>60</sub> Polymers. Physical Review Letters, 1996, 76, 3638-3641.	2.9	54
115	Pressure Induced Quantum Critical Point and Non-Fermi-Liquid Behavior in BaVS <sub>3</sub> . Physical Review Letters, 2000, 85, 1938-1941.	2.9	54
116	Field emission properties of carbon nanohorn films. Journal of Applied Physics, 2002, 91, 10107.	1.1	54
117	Stabilization Effect of Single-Walled Carbon Nanotubes on the Functioning of Photosynthetic Reaction Centers. Journal of Physical Chemistry B, 2006, 110, 21473-21479.	1.2	54
118	Striking Influence of the Catalyst Support and Its Acid-Base Properties: New Insight into the Growth Mechanism of Carbon Nanotubes. ACS Nano, 2011, 5, 3428-3437.	7.3	54
119	Ultrasensitive 1D field-effect phototransistors: CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire sensitized individual carbon nanotubes. Nanoscale, 2016, 8, 4888-4893.	2.8	54
120	Patterns and driving forces of dimensionality-dependent charge density waves in 2H-type transition metal dichalcogenides. Nature Communications, 2020, 11, 2406.	5.8	54
121	Growth Kinetics of One-Dimensional KNbO <sub>3</sub> Nanostructures by Hydrothermal Processing Routes. Journal of Physical Chemistry B, 2005, 109, 14331-14334.	1.2	53
122	Hall Effect and Conduction Anisotropy in the Organic Conductor (TMTSF) <sub>2</sub> PF <sub>6</sub> . Physical Review Letters, 2000, 84, 2670-2673.	2.9	51
123	Stiffness Alterations of Single Cells Induced by UV in the Presence of NanoTiO <sub>2</sub> . Environmental Science & Technology, 2007, 41, 5149-5153.	4.6	51
124	Out-of-plane conductivity of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Physical Review B, 1992, 46, 6626-6629.	1.1	50
125	Physical origin of the buckling in CuO <sub>2</sub> : Electron-phonon coupling and Raman spectra. Physical Review B, 1999, 60, 9836-9844.	1.1	49
126	Anomalous electron spin resonance behavior of single-walled carbon nanotubes. Physical Review B, 2005, 72, .	1.1	49



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127	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. ACS Photonics, 2019, 6, 967-975.	3.2	49
128	Synthesis and manipulation of carbon nanotubes. New Journal of Physics, 2003, 5, 120-120.	1.2	48
129	In vitro assay of singlet oxygen generation in the presence of water-soluble derivatives of C60. Carbon, 2004, 42, 1195-1198.	5.4	48
130	Magnetoresistance of the organic superconductor bis-tetramethyltetraselenafulvalenium perchlorate [(TMTSF)2ClO4]: Kohler's rule. Physical Review B, 1984, 29, 2839-2842.	1.1	47
131	Al(OH)3/Multiwalled Carbon Nanotube Composite: Homogeneous Coverage of Al(OH)3 on Carbon Nanotube Surfaces. Langmuir, 2003, 19, 7026-7029.	1.6	47
132	Wide-range oxygen doping of Bi2Sr2CaCu2O8+δ. Physical Review B, 1993, 48, 3531-3533.	1.1	46
133	Pressure dependence of the large-polaron transport in anatase TiO <sub>2</sub> single crystals. Europhysics Letters, 2012, 99, 57005.	0.7	46
134	Hall-effect measurements on superconducting and nonsuperconducting copper-oxide-based metals. Physical Review B, 1990, 42, 8704-8706.	1.1	45
135	Nonlinear Hall effect in K0.3MoO3 due to the sliding of charge-density waves. Physical Review B, 1986, 34, 9047-9050.	1.1	44
136	Static magnetic order in the one-dimensional conductor RbC60. Physical Review B, 1995, 52, R6991-R6994.	1.1	44
137	Study of the surface-ruthenated SnO2/MWCNTs nanocomposite thick-film gas sensors. Sensors and Actuators B: Chemical, 2013, 177, 308-315.	4.0	44
138	The Role of Transport Agents in MoS <sub>2</sub> Single Crystals. Journal of Physical Chemistry C, 2015, 119, 3918-3922.	1.5	44
139	Lectin-carbohydrate affinity measured using a quartz crystal microbalance. Journal of Colloid and Interface Science, 2006, 299, 41-48.	5.0	43
140	Diameter-Dependent Elastic Modulus Supports the Metastable-Catalyst Growth of Carbon Nanotubes. Nano Letters, 2007, 7, 1598-1602.	4.5	43
141	Highly efficient bacteria inactivation and phenol degradation by visible light irradiated iodine doped TiO <sub>2</sub> . Applied Catalysis B: Environmental, 2013, 129, 194-201.	10.8	43
142	Combining IR spectroscopy with fluorescence imaging in a single microscope: Biomedical applications using a synchrotron infrared source (invited). Review of Scientific Instruments, 2002, 73, 1357-1360.	0.6	42
143	Elastic modulus of multi-walled carbon nanotubes produced by catalytic chemical vapour deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 695-700.	1.1	42
144	Aharonov-Bohm Conductance Modulation in Ballistic Carbon Nanotubes. Physical Review Letters, 2007, 98, 176802.	2.9	41

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145	Role of Dynamic Jahn-Teller Distortions in Na <sub>2</sub> C <sub>60</sub> and Na <sub>2</sub> CsC <sub>60</sub> Studied by NMR. <i>Physical Review Letters</i> , 2001, 86, 4680-4683.	2.9	40
146	Infrared Conductivity of Elemental Bismuth under Pressure: Evidence for an Avoided Lifshitz-Type Semimetal-Semiconductor Transition. <i>Physical Review Letters</i> , 2010, 104, 237401.	2.9	39
147	Electrical conductivity of multi-walled carbon nanotubes-SU8 epoxy composites. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	39
148	Doping dependence of the electronic Raman spectra in cuprates. <i>Journal of Physics and Chemistry of Solids</i> , 2002, 63, 2345-2348.	1.9	38
149	Synthesis and mechanical properties of carbon nanotubes produced by the water assisted CVD process. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2457-2460.	0.7	38
150	Mechanical signatures of degradation of the photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> upon water vapor exposure. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	38
151	<sup>13</sup> C Magic-Angle-Spinning NMR Study of the Electronic Properties of the AC <sub>60</sub> Polymers (A=K,Rb,Cs). <i>Physical Review Letters</i> , 1996, 76, 2922-2925.	2.9	37
152	Multi-Frequency High-Field EPR Study of Iron Centers in Malarial Pigments. <i>Journal of the American Chemical Society</i> , 2006, 128, 4534-4535.	6.6	37
153	CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : precise structural consequences of water absorption at ambient conditions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016, 72, 716-722.	0.5	37
154	Catalytically grown carbon nanotubes: from synthesis to toxicity. <i>Journal Physics D: Applied Physics</i> , 2007, 40, R109-R120.	1.3	36
155	A Neutral Zwitterionic Molecular Solid. <i>Chemistry - A European Journal</i> , 2010, 16, 14051-14059.	1.7	36
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