

# Lszl Forr

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4077708/laszlo-forro-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

468  
papers

24,394  
citations

75  
h-index

144  
g-index

491  
ext. papers

26,386  
ext. citations

5.9  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
468	Elastic and Shear Moduli of Single-Walled Carbon Nanotube Ropes. <i>Physical Review Letters</i> , <b>1999</b> , 82, 944-947	7.4	1225
467	Cellular toxicity of carbon-based nanomaterials. <i>Nano Letters</i> , <b>2006</b> , 6, 1121-5	11.5	905
466	AharonovBohm oscillations in carbon nanotubes. <i>Nature</i> , <b>1999</b> , 397, 673-675	50.4	659
465	Aligned carbon nanotube films: production and optical and electronic properties. <i>Science</i> , <b>1995</b> , 268, 845-7	33.3	637
464	Field emission from single-wall carbon nanotube films. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 918-920	3.4	610
463	From Mott state to superconductivity in 1T-TaS <sub>2</sub> . <i>Nature Materials</i> , <b>2008</b> , 7, 960-5	27	608
462	Ising pairing in superconducting NbSe <sub>2</sub> atomic layers. <i>Nature Physics</i> , <b>2016</b> , 12, 139-143	16.2	534
461	Reinforcement of single-walled carbon nanotube bundles by intertube bridging. <i>Nature Materials</i> , <b>2004</b> , 3, 153-7	27	487
460	Strongly enhanced charge-density-wave order in monolayer NbSe <sub>2</sub> . <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 765-9	28.7	474
459	Polymeric fullerene chains in RbC <sub>60</sub> and KC <sub>60</sub> . <i>Nature</i> , <b>1994</b> , 370, 636-639	50.4	457
458	High mobility n-type charge carriers in large single crystals of anatase (TiO <sub>2</sub> ). <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 633-635	2.5	437
457	Field emission from carbon nanotubes: perspectives for applications and clues to the emission mechanism. <i>Applied Physics A: Materials Science and Processing</i> , <b>1999</b> , 69, 245-254	2.6	407
456	Transport properties, thermodynamic properties, and electronic structure of SrRuO <sub>3</sub> . <i>Physical Review B</i> , <b>1996</b> , 53, 4393-4398	3.3	380
455	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> , <b>2014</b> , 5, 2488-92	6.4	337
454	Quasi-one-dimensional electronic structure in orthorhombic RbC <sub>60</sub> . <i>Physical Review Letters</i> , <b>1994</b> , 72, 2721-2724	7.4	311
453	Pressure induced superconductivity in pristine 1T-TiSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2009</b> , 103, 236401	7.4	295
452	Evidence for an excitonic insulator phase in 1T-TiSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2007</b> , 99, 146403	7.4	289

451	Subnanometer motion of cargoes driven by thermal gradients along carbon nanotubes. <i>Science</i> , <b>2008</b> , 320, 775-8	33.3	279
450	Nanomechanics of microtubules. <i>Physical Review Letters</i> , <b>2002</b> , 89, 248101	7.4	276
449	Purification and size-selection of carbon nanotubes. <i>Advanced Materials</i> , <b>1997</b> , 9, 827-831	24	255
448	Resonances arising from hydrodynamic memory in Brownian motion. <i>Nature</i> , <b>2011</b> , 478, 85-8	50.4	250
447	Electrochemical carbon nanotube field-effect transistor. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1291-1293	3.4	237
446	Field emission properties of multiwalled carbon nanotubes. <i>Ultramicroscopy</i> , <b>1998</b> , 73, 7-15	3.1	222
445	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> , <b>2014</b> , 14, 6761-6	11.5	221
444	CVD synthesis of high-purity multiwalled carbon nanotubes using CaCO <sub>3</sub> catalyst support for large-scale production. <i>Chemical Physics Letters</i> , <b>2003</b> , 378, 9-17	2.5	203
443	Hopping in disordered conducting polymers. <i>Physical Review B</i> , <b>1994</b> , 50, 5196-5203	3.3	196
442	Single-Crystalline (KC60) <sub>n</sub> : A Conducting Linear Alkali Fulleride Polymer. <i>Science</i> , <b>1994</b> , 265, 1077-8	33.3	195
441	Carbon Nanotube Based Bearing for Rotational Motions. <i>Nano Letters</i> , <b>2004</b> , 4, 709-712	11.5	192
440	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 ( <sup>1</sup> O <sub>2</sub> ) under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 88, 398-406	21.8	188
439	Electronic properties of doped fullerenes. <i>Reports on Progress in Physics</i> , <b>2001</b> , 64, 649-699	14.4	186
438	Tunable polaronic conduction in anatase TiO <sub>2</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 110, 196403	7.4	185
437	Orthorhombic A1C60: A conducting linear alkali fulleride polymer?. <i>Solid State Communications</i> , <b>1994</b> , 90, 349-352	1.6	181
436	Determination of the intershell conductance in multiwalled carbon nanotubes. <i>Physical Review Letters</i> , <b>2004</b> , 93, 176806	7.4	171
435	Kosterlitz-Thouless transition of fluxless solitons in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> single crystals. <i>Physical Review B</i> , <b>1988</b> , 38, 2847-2850	3.3	158
434	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> . <i>Physical Review Letters</i> , <b>1992</b> , 68, 1590-1593	7.4	154

433	In vitro investigation of the cellular toxicity of boron nitride nanotubes. <i>ACS Nano</i> , <b>2011</b> , 5, 3800-10	16.7	151
432	Growth of single-crystalline KNbO <sub>3</sub> nanostructures. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 58-61	3.4	140
431	Microengineered CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Nanowire/Graphene Phototransistor for Low-Intensity Light Detection at Room Temperature. <i>Small</i> , <b>2015</b> , 11, 4824-8	11	135
430	Field-Emission-Induced Luminescence from Carbon Nanotubes. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1441-1444	14.4	135
429	Beta-amyloid deposition and Alzheimer's type changes induced by <i>Borrelia</i> spirochetes. <i>Neurobiology of Aging</i> , <b>2006</b> , 27, 228-36	5.6	134
428	Direct observation of nondiffusive motion of a Brownian particle. <i>Physical Review Letters</i> , <b>2005</b> , 95, 160601	6.1	127
427	Na <sub>4</sub> C <sub>60</sub> : An Alkali Intercalated Two-Dimensional Polymer. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4438-4441	7.4	126
426	Magnetic susceptibility of alpha and beta phases of di. <i>Physical Review B</i> , <b>1986</b> , 34, 704-712	3.3	125
425	Pseudogap and Superconducting Gap in the Electronic Raman Spectra of Underdoped Cuprates. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4837-4840	7.4	124
424	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. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 11506-11510	3.8	121
423	Synthesis of MWNT-based composite materials with inorganic coating. <i>Acta Materialia</i> , <b>2003</b> , 51, 1447-1452	4.5	121
422	Magnetic anisotropies of aligned carbon nanotubes. <i>Physical Review B</i> , <b>1995</b> , 52, R6963-R6966	3.3	115
421	Direct growth of carbon nanotubes on carbon fibers: Effect of the CVD parameters on the degradation of mechanical properties of carbon fibers. <i>Diamond and Related Materials</i> , <b>2015</b> , 51, 39-48	3.5	114
420	Metallic conductivity and metal-insulator transition in (AC <sub>60</sub> ) <sub>n</sub> (A=K, Rb, and Cs) linear polymer fullerenes. <i>Physical Review B</i> , <b>1995</b> , 51, 14794-14797	3.3	111
419	Conduction electron spin resonance in Rb <sub>3</sub> C <sub>60</sub> . <i>Physical Review Letters</i> , <b>1993</b> , 71, 1091-1094	7.4	111
418	Carrier relaxation, pseudogap, and superconducting gap in high-T <sub>c</sub> cuprates: A Raman scattering study. <i>Physical Review B</i> , <b>2000</b> , 61, 9752-9774	3.3	110
417	Spectroscopic and Photophysical Properties of a Highly Derivatized C <sub>60</sub> Fullerol. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 120-128	15.6	109
416	Shear and Young's Moduli of MoS <sub>2</sub> Nanotube Ropes. <i>Advanced Materials</i> , <b>2003</b> , 15, 733-736	24	108

415	Single C-C bond in (C60) <sub>22</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 11849-11852	3.3	107
414	Two-dimensional electron localization in bulk single crystals of Bi <sub>2</sub> Sr <sub>2</sub> Y <sub>x</sub> Ca <sub>1-x</sub> Cu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>1991</b> , 44, 2418-2421	3.3	107
413	Gate Tuning of Electronic Phase Transitions in Two-Dimensional NbSe <sub>2</sub> . <i>Physical Review Letters</i> , <b>2016</b> , 117, 106801	7.4	105
412	Catalytic CVD Synthesis of Carbon Nanotubes: Towards High Yield and Low Temperature Growth. <i>Materials</i> , <b>2010</b> , 3, 4871-4891	3.5	104
411	Dimerization in KC <sub>60</sub> and RbC <sub>60</sub> . <i>Physical Review B</i> , <b>1995</b> , 51, 12228-12232	3.3	100
410	High-efficiency solid-state dye-sensitized solar cells: fast charge extraction through self-assembled 3D fibrous network of crystalline TiO <sub>2</sub> nanowires. <i>ACS Nano</i> , <b>2010</b> , 4, 7644-50	16.7	99
409	NANOTECHNOLOGY: Beyond Gedanken Experiments. <i>Science</i> , <b>2000</b> , 289, 560-1	33.3	95
408	Exploring the mechanical properties of single vimentin intermediate filaments by atomic force microscopy. <i>Journal of Molecular Biology</i> , <b>2006</b> , 360, 623-30	6.5	94
407	Synthesis, Characterization, and Photocatalytic Activities of Nanoparticulate N, S-Codoped TiO <sub>2</sub> Having Different Surface-to-Volume Ratios. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 2717-2723	3.8	93
406	Addition of Carbon Radicals Generated from Organic Peroxides to Single Wall Carbon Nanotubes. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4751-4755	9.6	91
405	Optically switched magnetism in photovoltaic perovskite CH <sub>3NH<sub>3</sub>(Mn:Pb)I<sub>3</sub></sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 13406	17.4	85
404	Spectral Consequences of Broken Phase Coherence in 1T- TaS <sub>2</sub> . <i>Physical Review Letters</i> , <b>1998</b> , 81, 1058-1061	10.1	85
403	Thermal conductivity of insulating Bi <sub>2</sub> Sr <sub>2</sub> YCu <sub>2</sub> O <sub>8</sub> and superconducting Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> : Failure of the phonon-gas picture. <i>Physical Review B</i> , <b>1994</b> , 49, 9073-9079	3.3	84
402	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. <i>Toxicology Research</i> , <b>2016</b> , 5, 407-419	2.6	82
401	Evaluation of the toxicity of graphene derivatives on cells of the lung luminal surface. <i>Carbon</i> , <b>2013</b> , 64, 45-60	10.4	81
400	Cellular toxicity of TiO <sub>2</sub> -based nanofilaments. <i>ACS Nano</i> , <b>2009</b> , 3, 2274-80	16.7	81
399	Two-dimensional polymer of C <sub>60</sub> . <i>Solid State Communications</i> , <b>1995</b> , 93, 265-267	1.6	80
398	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. <i>Physical Review Letters</i> , <b>1991</b> , 67, 152-155	7.4	77

397	Hall effect and magnetoresistance of carbon nanotube films. <i>Physical Review B</i> , <b>1997</b> , 55, 6704-6707	3.3	76
396	Composition, structure, and electrical properties of Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-y</sub> YyCu <sub>2</sub> O <sub>8</sub> : A single-crystal study. <i>Physical Review B</i> , <b>1992</b> , 45, 13025-13034	3.3	76
395	Controlled growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires in arrays of open nanofluidic channels. <i>Scientific Reports</i> , <b>2016</b> , 6, 19834	4.9	75
394	Effect of band structure on quantum interference in multiwall carbon nanotubes. <i>Physical Review Letters</i> , <b>2005</b> , 94, 186802	7.4	75
393	Carbon nanotube/magnesium composites. <i>Physica Status Solidi A</i> , <b>2004</b> , 201, R53-R55		73
392	Controlled positioning of carbon nanotubes by dielectrophoresis: insights into the solvent and substrate role. <i>ACS Nano</i> , <b>2010</b> , 4, 279-84	16.7	72
391	Multiwalled carbon nanotube/polymer nanocomposites: Processing and properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 1186-1197	2.6	72
390	Evidence of anisotropic metallic behaviour in the optical properties of carbon nanotubes. <i>Solid State Communications</i> , <b>1996</b> , 99, 513-517	1.6	71
389	Growth of carbon nanotubes with alkaline earth carbonate as support. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 10087-91	3.4	69
388	Mechanical properties of microtubules explored using the finite elements method. <i>ChemPhysChem</i> , <b>2004</b> , 5, 252-7	3.2	69
387	Photocatalytic hydrogen generation from a visible-light responsive metal-organic framework system: the impact of nickel phosphide nanoparticles. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 2476-2481	13	68
386	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. <i>Nature</i> , <b>1990</b> , 343, 444-446	50.4	68
385	Lithium niobate nanowires synthesis, optical properties, and manipulation. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 143105	3.4	67
384	Printing Gel-like Catalysts for the Directed Growth of Multiwall Carbon Nanotubes. <i>Langmuir</i> , <b>2000</b> , 16, 6877-6883	4	67
383	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> , <b>1990</b> , 65, 1941-1944	7.4	67
382	Evidence of lipid peroxidation and protein phosphorylation in cells upon oxidative stress photo-generated by fullerenes. <i>Biophysical Chemistry</i> , <b>2010</b> , 152, 164-9	3.5	66
381	A nanoscale probe for fluidic and ionic transport. <i>Nature Nanotechnology</i> , <b>2007</b> , 2, 104-7	28.7	66
380	A novel quasi-one-dimensional topological insulator in bismuth iodide (BiI <sub>4</sub> ). <i>Nature Materials</i> , <b>2016</b> , 15, 154-8	27	64

379	Mechanical Purification of Single-Walled Carbon Nanotube Bundles from Catalytic Particles. <i>Nano Letters</i> , <b>2002</b> , 2, 1349-1352	11.5	64
378	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> , <b>1990</b> , 73, 501-505	1.6	63
377	Catalytically grown carbon nanotubes of small diameter have a high Young's modulus. <i>Nano Letters</i> , <b>2005</b> , 5, 2074-7	11.5	61
376	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> , <b>1989</b> , 69, 1097-1101	1.6	61
375	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe. <i>Nature Materials</i> , <b>2018</b> , 17, 504-508	27	58
374	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> , <b>2013</b> , 129, 566-574	21.8	56
373	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> , <b>2007</b> , 46, 441-4	16.4	56
372	Oscillation modes of microtubules. <i>Biology of the Cell</i> , <b>2004</b> , 96, 697-700	3.5	56
371	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> , <b>2000</b> , 61, R7831-R7834	3.3	56
370	Gapless Superconductivity in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Europhysics Letters</i> , <b>1993</b> , 22, 199-204	1.6	56
369	Antiferromagnetic Resonance in the Linear Chain Conducting Polymers RbC <sub>60</sub> and CsC <sub>60</sub> . <i>Physical Review Letters</i> , <b>1997</b> , 79, 2718-2721	7.4	55
368	Observation of an unconventional metal-insulator transition in overdoped CuO <sub>2</sub> compounds. <i>Physical Review Letters</i> , <b>2002</b> , 89, 107003	7.4	54
367	Nanopore integrated nanogaps for DNA detection. <i>Nano Letters</i> , <b>2014</b> , 14, 244-9	11.5	53
366	Anisotropic memory effects in confined colloidal diffusion. <i>Physical Review Letters</i> , <b>2008</b> , 100, 240604	7.4	53
365	Single-band model for the temperature-dependent Hall coefficient of high-T <sub>c</sub> superconductors. <i>Physical Review B</i> , <b>1992</b> , 46, 14297-14300	3.3	53
364	Low-temperature, highly efficient growth of carbon nanotubes on functional materials by an oxidative dehydrogenation reaction. <i>ACS Nano</i> , <b>2010</b> , 4, 3702-8	16.7	52
363	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 25204-25208	3.8	50
362	Towards electron spin resonance of mechanically exfoliated graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2558-2561	1.3	50

361	NMR evidence for 1D antiferromagnetic properties in Cs1C60 and Rb1C60 polymers. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3638-3641	7.4	50
360	Pressure induced quantum critical point and non-fermi-liquid behavior in BaVS3. <i>Physical Review Letters</i> , <b>2000</b> , 85, 1938-41	7.4	49
359	Striking influence of the catalyst support and its acid-base properties: new insight into the growth mechanism of carbon nanotubes. <i>ACS Nano</i> , <b>2011</b> , 5, 3428-37	16.7	48
358	Growth kinetics of one-dimensional KNbO3 nanostructures by hydrothermal processing routes. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 14331-4	3.4	48
357	Ultrasensitive 1D field-effect phototransistors: CH3NH3PbI3 nanowire sensitized individual carbon nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 4888-93	7.7	47
356	Anomalous electron spin resonance behavior of single-walled carbon nanotubes. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	47
355	Hall effect and conduction anisotropy in the organic conductor (TMTSF)2PF6. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2670-3	7.4	47
354	Physical origin of the buckling in CuO2: Electron-phonon coupling and Raman spectra. <i>Physical Review B</i> , <b>1999</b> , 60, 9836-9844	3.3	47
353	Al(OH)3/Multiwalled Carbon Nanotube Composite: Homogeneous Coverage of Al(OH)3 on Carbon Nanotube Surfaces. <i>Langmuir</i> , <b>2003</b> , 19, 7026-7029	4	46
352	Wide-range oxygen doping of Bi2Sr2CaCu2O8+ delta. <i>Physical Review B</i> , <b>1993</b> , 48, 3531-3533	3.3	46
351	Out-of-plane conductivity of YBa2Cu3O7- delta. <i>Physical Review B</i> , <b>1992</b> , 46, 6626-6629	3.3	46
350	Hall-effect measurements on superconducting and nonsuperconducting copper-oxide-based metals. <i>Physical Review B</i> , <b>1990</b> , 42, 8704-8706	3.3	44
349	Stabilization effect of single-walled carbon nanotubes on the functioning of photosynthetic reaction centers. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 21473-9	3.4	43
348	In vitro assay of singlet oxygen generation in the presence of water-soluble derivatives of C60. <i>Carbon</i> , <b>2004</b> , 42, 1195-1198	10.4	43
347	Field emission properties of carbon nanohorn films. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 10107	2.5	43
346	Stiffness alterations of single cells induced by UV in the presence of nanoTiO2. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5149-53	10.3	42
345	Static magnetic order in the one-dimensional conductor RbC60. <i>Physical Review B</i> , <b>1995</b> , 52, R6991-R6994	9.3	42
344	Nonlinear Hall effect in K0.3MoO3 due to the sliding of charge-density waves. <i>Physical Review B</i> , <b>1986</b> , 34, 9047-9050	3.3	42



343	Study of the surface-ruthenated SnO <sub>2</sub> /MWCNTs nanocomposite thick-film gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 177, 308-315	8.5	41
342	Pressure dependence of the large-polaron transport in anatase TiO <sub>2</sub> single crystals. <i>Europhysics Letters</i> , <b>2012</b> , 99, 57005	1.6	41
341	Lectin-carbohydrate affinity measured using a quartz crystal microbalance. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 299, 41-8	9.3	41
340	The Role of Transport Agents in MoS <sub>2</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 3918-3922	3.2	40
339	Diameter-dependent elastic modulus supports the metastable-catalyst growth of carbon nanotubes. <i>Nano Letters</i> , <b>2007</b> , 7, 1598-602	11.5	40
338	Synthesis and manipulation of carbon nanotubes. <i>New Journal of Physics</i> , <b>2003</b> , 5, 120-120	2.9	40
337	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe. <i>Nano Letters</i> , <b>2018</b> , 18, 2623-2629	11.5	39
336	Highly efficient bacteria inactivation and phenol degradation by visible light irradiated iodine doped TiO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 194-201	21.8	38
335	Magnetoresistance of the organic superconductor bis-tetramethyltetraselenafulvalenium perchlorate [(TMTSF) <sub>2</sub> ClO <sub>4</sub> ]: Kohler's rule. <i>Physical Review B</i> , <b>1984</b> , 29, 2839-2842	3.3	38
334	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. <i>ACS Photonics</i> , <b>2019</b> , 6, 967-975	6.3	37
333	Aharonov-Bohm conductance modulation in ballistic carbon nanotubes. <i>Physical Review Letters</i> , <b>2007</b> , 98, 176802	7.4	37
332	Elastic modulus of multi-walled carbon nanotubes produced by catalytic chemical vapour deposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 80, 695-700	2.6	37
331	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> , <b>2001</b> , 86, 4680-3	7.4	37
330	Infrared conductivity of elemental bismuth under pressure: evidence for an avoided Lifshitz-type semimetal-semiconductor transition. <i>Physical Review Letters</i> , <b>2010</b> , 104, 237401	7.4	36
329	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004615	15.6	36
328	Synthesis and mechanical properties of carbon nanotubes produced by the water assisted CVD process. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2457-2460	1.3	35
327	A neutral zwitterionic molecular solid. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 14051-9	4.8	35
326	Doping dependence of the electronic Raman spectra in cuprates. <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 2345-2348	3.9	35

- 325 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<sup>35</sup>
- 324 Synthesis of Homogeneous Manganese-Doped Titanium Oxide Nanotubes from Titanate Precursors. *Journal of Physical Chemistry C*, **2013**, 117, 697-702 3.8 34
- 323 Infrared spectra of one- and two-dimensional fullerene polymer structures: RbC<sub>60</sub> and rhombohedral C<sub>60</sub>. *Physical Review B*, **1997**, 55, 10999-11002 3.3 33
- 322 No far-infrared-spectroscopic gap in clean and dirty high-T<sub>c</sub> superconductors. *Physical Review Letters*, **1993**, 70, 2629-2632 7.4 33
- 321 Mechanical signatures of degradation of the photovoltaic perovskite CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> upon water vapor exposure. *Applied Physics Letters*, **2017**, 110, 121903 3.4 32
- 320 Electrical conductivity of multi-walled carbon nanotubes-SU8 epoxy composites. *Applied Physics Letters*, **2013**, 102, 223114 3.4 32
- 319 Multi-frequency high-field EPR study of iron centers in malarial pigments. *Journal of the American Chemical Society*, **2006**, 128, 4534-5 16.4 32
- 318 Electron spin resonance of single-walled carbon nanotubes and related structures. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3106-3110 1.3 31
- 317 <sup>13</sup>C Magic-angle-spinning NMR study of the electronic properties of the AC<sub>60</sub> polymers (A=K,Rb,Cs). *Physical Review Letters*, **1996**, 76, 2922-2925 7.4 31
- 316 Capacitive nanoelectromechanical switch based on suspended carbon nanotube array. *Applied Physics Letters*, **2010**, 97, 233508 3.4 30
- 315 Size dependence of the magnetic response of graphite oxide and graphene flakes in an electron spin resonance study. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2958-2961 1.3 30
- 314 ESR Signal in Azafullerene (C<sub>59</sub>N)<sub>2</sub> Induced by Thermal Homolysis. *Journal of Physical Chemistry A*, **1999**, 103, 6969-6971 2.8 30
- 313 ESR study of potassium-doped aligned carbon nanotubes. *Physical Review B*, **1996**, 53, 13996-13999 3.3 30
- 312 Energy Gap in Superconducting Fullerides: Optical and Tunneling Studies. *Physical Review Letters*, **1996**, 77, 4082-4085 7.4 30
- 311 Influence of TiO<sub>2</sub> phase composition on the photocatalytic activity of TiO<sub>2</sub>/MWCNT composites prepared by combined sol-gel/hydrothermal method. *Journal of Molecular Catalysis A*, **2016**, 414, 140-147 29
- 310 Dye metachromasy on titanate nanowires: sensing humidity with reversible molecular dimerization. *Journal of Materials Chemistry*, **2012**, 22, 8778 29
- 309 Catalytically grown carbon nanotubes: from synthesis to toxicity. *Journal Physics D: Applied Physics*, **2007**, 40, R109-R120 3 29
- 308 Resistivity study of Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1-x</sub>Y<sub>x</sub>Cu<sub>2</sub>O<sub>8</sub> single crystals. *Physical Review B*, **1992**, 45, 12640-12642 3.3 29

307	CHNHPbI: precise structural consequences of water absorption at ambient conditions. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2016</b> , 72, 716-722	1.8	28
306	Contact angle at the leading edge controls cell protrusion rate. <i>Current Biology</i> , <b>2014</b> , 24, 1126-32	6.3	28
305	Scaling of the Hall resistivity in the solid and liquid vortex phases in twinned single-crystal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> <i>Physical Review B</i> , <b>2000</b> , 61, 4215-4221	3.3	28
304	Polymer-monomer phase transition in Na <sub>4</sub> C <sub>60</sub> . <i>Physical Review B</i> , <b>1998</b> , 58, 5-7	3.3	28
303	Band structure and electronic transport properties of the superconductor NbO. <i>Physical Review B</i> , <b>1992</b> , 46, 14001-14004	3.3	28
302	On the phenomenology of the infrared properties of the copper-oxide superconductors. <i>Solid State Communications</i> , <b>1992</b> , 82, 183-187	1.6	28
301	High-pressure study of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. <i>Physical Review B</i> , <b>1990</b> , 41, 9551-9554	3.3	28
300	Magnetoresistance of the organic conducting tetramethyltetraselenafulvalene salts (TMTSF) <sub>2</sub> C <sub>10</sub> O <sub>4</sub> and (TMTSF) <sub>2</sub> PF <sub>6</sub> : Search for the coherent-diffusive transition or localization effects with increasing temperature. <i>Physical Review B</i> , <b>1986</b> , 33, 6810-6814	3.3	28
299	Enhanced low-temperature thermoelectrical properties of BiTeCl grown by topotactic method. <i>Scripta Materialia</i> , <b>2014</b> , 76, 69-72	5.6	27
298	Probing titanate nanowire surface acidity through methylene blue adsorption in colloidal suspension and on thin films. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 416, 190-7	9.3	27
297	Carbon nanotubes/BUS composite for flexible conductive inkjet printable applications. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 14030		27
296	Uniformly dispersed deposition of colloidal nanoparticles and nanowires by boiling. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 173112	3.4	27
295	Detection by NMR of a Local Spin Gap in Quenched CsC <sub>60</sub> . <i>Physical Review Letters</i> , <b>1999</b> , 82, 2131-2134	7.4	27
294	Spectroscopic Signatures of Defect-Induced Pair Breaking in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Physical Review Letters</i> , <b>1999</b> , 82, 3128-3131	7.4	27
293	Effect of electron irradiation 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> superconductors. <i>Physica C: Superconductivity and Its Applications</i> , <b>1995</b> , 254, 88-92	1.3	27
292	Photoexcited carrier relaxation and localization in Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-y</sub> Y <sub>y</sub> Cu <sub>2</sub> O <sub>8</sub> and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> : A study by femtosecond time-resolved spectroscopy. <i>Physical Review B</i> , <b>1996</b> , 53, 12436-12440	3.3	27
291	In situ viscometry by optical trapping interferometry. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 184102	3.4	26
290	12kBT <sub>c</sub> optical signature of superconductivity in single-domain Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>1991</b> , 44, 2818-2821	3.3	26

- 289 Out-of-plane resistivity of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub> high temperature superconductor. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1993**, 179, 140-144 2.3 26
- 288 Three-Dimensionally Enlarged Photoelectrodes by a Protogenetic Inclusion of Vertically Aligned Carbon Nanotubes into CH<sub>3</sub>NH<sub>3</sub>PbBr<sub>3</sub> Single Crystals. *Journal of Physical Chemistry C*, **2017**, 121, 13549-13556<sup>3,8</sup> 25
- 287 Bi<sub>2</sub>Te<sub>3-x</sub>Se<sub>x</sub> series studied by resistivity and thermopower. *Europhysics Letters*, **2014**, 107, 57008 1.6 25
- 286 Polymeric alkali fullerides are stable in air. *Applied Physics Letters*, **1995**, 66, 1015-1017 3.4 25
- 285 Clean, cleaved surfaces of the photovoltaic perovskite. *Scientific Reports*, **2017**, 7, 695 4.9 24
- 284 Tuning the aggregation of titanate nanowires in aqueous dispersions. *Langmuir*, **2015**, 31, 42-9 4 24
- 283 Mechanical and electronic properties of vanadium oxide nanotubes. *Journal of Applied Physics*, **2009**, 105, 074317 2.5 24
- 282 Magnetic properties of the anatase phase of TiO<sub>2</sub>. *Solid State Communications*, **1995**, 93, 667-669 1.6 24
- 281 Molecular motion and phase transition in K<sub>3</sub>C<sub>60</sub> and Rb<sub>3</sub>C<sub>60</sub> by nuclear magnetic resonance. *Physical Review B*, **1996**, 54, 6155-6166 3.3 24
- 280 Upconversion Particle as a Local Luminescent Brownian Probe: A Photonic Force Microscopy Study. *ACS Photonics*, **2014**, 1, 1251-1257 6.3 23
- 279 Photocatalytic activity of TiO<sub>2</sub>/SWCNT and TiO<sub>2</sub>/MWCNT nanocomposites with different carbon nanotube content. *Physica Status Solidi (B): Basic Research*, **2011**, 248, 2496-2499 1.3 23
- 278 Optical properties of the quasi-two-dimensional dichalcogenides 2H-TaSe and 2H-NbSe. *European Physical Journal B*, **2003**, 33, 15-23 1.2 23
- 277 Pressure effect and superconductivity in the Bi<sub>4</sub>I<sub>4</sub> topological insulator. *Physical Review B*, **2017**, 95, 3.3 22
- 276 Growth of carbon nanotubes on carbon fibers without strength degradation. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2420-2423 1.3 22
- 275 Preparation and characterization of multiwalled carbon nanotube/In<sub>2</sub>O<sub>3</sub> composites. *Carbon*, **2013**, 60, 266-272 10.4 22
- 274 Signatures of quantum criticality in the thermopower of Ba(Fe<sub>1-x</sub>Cox)<sub>2</sub>As<sub>2</sub>. *Physical Review B*, **2013**, 87, 3.3 22
- 273 Supramolecular Approach to the Synthesis of [60]Fullerene-Metal Dithiocarbamate Complexes, {(MII(R<sub>2</sub>dtc)<sub>2</sub>)<sub>x</sub>}[C<sub>60</sub>] (M = Zn, Cd, Hg, Fe, and Mn; x = 1 and 2). The Study of Magnetic Properties and Photoconductivity. *Crystal Growth and Design*, **2008**, 8, 1161-1172 3.5 22
- 272 Ensemble averaging of conductance fluctuations in multiwall carbon nanotubes. *New Journal of Physics*, **2004**, 6, 27-27 2.9 22

271	Distribution of K ions in intermediate KC60. <i>Physical Review B</i> , <b>1995</b> , 52, 3199-3205	3.3	22
270	Electronic Raman scattering in CuO <sub>2</sub> superconductors. <i>Journal of Low Temperature Physics</i> , <b>1996</b> , 105, 733-742	1.3	22
269	Thermodynamics of polymorphism in the AC60 (A=K, Rb, Cs) alkali fullerenes. <i>Physical Review B</i> , <b>1996</b> , 53, 5059-5062	3.3	22
268	Pressure effects on the transport coefficients of Ba(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	21
267	Preparation of homogeneous titania coating on the surface of MWNT. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 87-94	8.6	21
266	Enhanced electron-phonon coupling and its irrelevance to high T superconductivity. <i>Solid State Communications</i> , <b>1998</b> , 108, 407-411	1.6	21
265	Separation of orbital contributions to the optical conductivity of BaVS(3). <i>Physical Review Letters</i> , <b>2006</b> , 96, 186402	7.4	21
264	Conduction-electron spin resonance in the superconductor K <sub>3</sub> C <sub>60</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, 7118-7123	3.3	21
263	Versatile force-feedback manipulator for nanotechnology applications. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 053701	1.7	20
262	Pressure dependence of the conduction-electron-spin-resonance linewidth of the alpha and beta phases of di-bis(ethylene-dithiol)tetrathiafulvalene triiodide. <i>Physical Review B</i> , <b>1987</b> , 35, 2501-2504	3.3	20
261	Preferential out-of-plane conduction and quasi-one-dimensional electronic states in layered 1T-TaS <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , <b>2020</b> , 4,	8.8	19
260	Influence of the catalyst drying process and catalyst support particle size on the carbon nanotubes produced by CCVD. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 1915-1918	1.3	19
259	Optical evidence for a magnetically driven structural transition in the spin web Cu <sub>3</sub> TeO <sub>6</sub> . <i>Europhysics Letters</i> , <b>2006</b> , 75, 496-502	1.6	19
258	Hall Anomaly and Vortex-Lattice Melting in Superconducting Single Crystal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>1998</b> , 81, 2530-2533	7.4	19
257	Flux-flow Hall effect in YBa <sub>2</sub> Cu <sub>9</sub> O <sub>7</sub> and Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> high temperature superconductors. <i>Solid State Communications</i> , <b>1989</b> , 71, 1099-1103	1.6	19
256	Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres. <i>Nature Communications</i> , <b>2016</b> , 7, 12232	17.4	18
255	Efficient voltammetric discrimination of free bilirubin from uric acid and ascorbic acid by a CVD nanographite-based microelectrode. <i>Talanta</i> , <b>2014</b> , 130, 423-6	6.2	18
254	Challenges and rewards of the electrosynthesis of macroscopic aligned carbon nanotube array/conducting polymer hybrid assemblies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 1507-1518	2.6	18

253	Monitoring ligand-receptor interactions by photonic force microscopy. <i>Nanotechnology</i> , <b>2010</b> , 21, 255103-4	3.4	18
252	Synchrotron infrared microspectroscopy detecting the evolution of Huntington's disease neuropathology and suggesting unique correlates of dysfunction in white versus gray brain matter. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 7712-20	7.8	18
251	Synthesis, electrical resistivity, thermo-electric power and magnetization of cubic ZnMnO <sub>3</sub> . <i>Solid State Communications</i> , <b>2011</b> , 151, 487-490	1.6	18
250	Magnetic resonance in the antiferromagnetic and normal state of NH <sub>3</sub> K <sub>3</sub> C <sub>60</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, R3826-R3829	3.3	18
249	Enthalpies of phase transformations in the alkali fulleride RbC <sub>60</sub> . <i>Solid State Communications</i> , <b>1996</b> , 97, 573-578	1.6	18
248	Spin susceptibility of boron carbides: Dissociation of singlet small bipolarons. <i>Physical Review B</i> , <b>1996</b> , 53, 14450-14457	3.3	18
247	Reversible Changes in the Superconducting Transition Temperature of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Single Crystals by Varying the Oxygen Concentration. <i>Europhysics Letters</i> , <b>1989</b> , 10, 371-374	1.6	18
246	Dependence on the oxygen concentration of the resistivity anisotropy in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6+x</sub> single crystals. <i>Physica Scripta</i> , <b>1990</b> , 41, 365-367	2.6	18
245	Preparation and characterization of ultrathin Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> single crystals. <i>Journal of Applied Physics</i> , <b>1990</b> , 68, 4876-4878	2.5	18
244	Hall effect in the charge density wave system (TaSe <sub>4</sub> ) <sub>2</sub> I. <i>Solid State Communications</i> , <b>1987</b> , 62, 715-718	1.6	18
243	Role of the particle size polydispersity in the electrical conductivity of carbon nanotube-epoxy composites. <i>Scientific Reports</i> , <b>2017</b> , 7, 12553	4.9	17
242	Pr <sub>4</sub> Fe <sub>2</sub> As <sub>2</sub> Te <sub>10</sub> O <sub>4</sub> : A layered FeAs-based superconductor. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	17
241	Photosynthetic reaction center protein in nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2700-2703	1.3	17
240	Enhanced thermal stability and spin-lattice relaxation rate of N@C <sub>60</sub> inside carbon nanotubes. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	17
239	Polymer phase of the tetrakis(dimethylamino)ethylene-C <sub>60</sub> organic ferromagnet. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	17
238	Pressure dependence of the spin gap in BaVS <sub>3</sub> . <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	17
237	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , <b>2021</b> , 15, 4077-4084	16.7	17
236	Dendrimer-Stabilized Titanate Nanowire Dispersions as Potential Nanocarriers. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24919-24926	3.8	16

235	High-performance multipanel biosensors based on a selective integration of nanographite petals. <i>Nano Letters</i> , <b>2014</b> , 14, 3180-4	11.5	16
234	Manufacturing and investigations of i-butane sensor made of SnO <sub>2</sub> /multiwall-carbon-nanotube nanocomposite. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 173, 890-896	8.5	16
233	Density of states deduced from ESR measurements on low-dimensional nanostructures; benchmarks to identify the ESR signals of graphene and SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2688-2691	1.3	16
232	Spin dynamics in the S=12 antiferromagnetic chain compounds $\text{[EDT-TTF-CONMe}_2\text{]}_2\text{X}$ (X=AsF <sub>6</sub> ,Br): A multifrequency electron spin resonance study. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	16
231	Multifrequency ESR in ET <sub>2</sub> MnCu[N(CN) <sub>2</sub> ] <sub>4</sub> : A radical cation salt with quasi-two-dimensional magnetic layers in a three-dimensional polymeric structure. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	16
230	Study of the mechanical response of carbon nanotubes-SU8 composites by nanoindentation. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 3072-3075	1.3	16
229	Singlet oxygen ( <sup>1</sup> O <sub>2</sub> )-mediated oxidation of cellular and subcellular components: ESR and AFM assays. <i>Journal of Physics Condensed Matter</i> , <b>2005</b> , 17, S1471-S1482	1.8	16
228	Pressure effect on the magnetic susceptibility of the (TMTSF) <sub>2</sub> X family. <i>Solid State Communications</i> , <b>1986</b> , 60, 11-15	1.6	16
227	Patterns and driving forces of dimensionality-dependent charge density waves in 2H-type transition metal dichalcogenides. <i>Nature Communications</i> , <b>2020</b> , 11, 2406	17.4	15
226	Mahan excitons in room-temperature methylammonium lead bromide perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 850	17.4	15
225	Spin lifetime of itinerant electrons in chemically synthesized graphene multi-layers. <i>Carbon</i> , <b>2014</b> , 74, 346-351	10.4	15
224	Dispersion Characteristics and Aggregation in Titanate Nanowire Colloids. <i>ChemPlusChem</i> , <b>2014</b> , 79, 592-600	2.8	15
223	Identifying the electron spin resonance of conduction electrons in alkali doped SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2760-2763	1.3	15
222	Pressure and temperature dependence of interlayer spin diffusion and electrical conductivity in the layered organic conductors $\text{[BEDT-TTF]}_2\text{Cu[N(CN)}_2\text{]}_X$ (X = Cl, Br). <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	15
221	Raman study of the polymerized state of RbC <sub>60</sub> and CsC <sub>60</sub> . <i>Physical Review B</i> , <b>1996</b> , 54, 14139-14145	3.3	15
220	Conductivity of irradiated Kapton in relation to energy loss of ions and electrons. <i>Radiation Effects and Defects in Solids</i> , <b>1990</b> , 115, 83-91	0.9	15
219	Mechanical response of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 111901	3.4	14
218	Electrical conduction of photo-patternable SU8/graphene composites. <i>Carbon</i> , <b>2014</b> , 80, 364-372	10.4	14

217	Reinforcement of CVD grown multi-walled carbon nanotubes by high temperature annealing. <i>AIP Advances</i> , <b>2013</b> , 3, 112101	1.5	14
216	High-Pressure Study of Anatase TiO <sub>2</sub> . <i>Materials</i> , <b>2010</b> , 3, 1509-1514	3.5	14
215	Testing the Elliott-Yafet spin-relaxation mechanism in KC8: A model system of biased graphene. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	14
214	Comparison of catalytically grown and arc-discharge carbon nanotube tips. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 850-852	3.4	14
213	On linear resistivity from ~1 to 10 <sup>3</sup> K in Sr <sub>2</sub> RuO <sub>4</sub> single crystals grown by flux technique. <i>Europhysics Letters</i> , <b>1998</b> , 41, 531-534	1.6	14
212	Coexistence of a Spin-Singlet Ground State with the 3D Magnetic Order in the CsC <sub>60</sub> Polymerized Fulleride. <i>Physical Review Letters</i> , <b>1999</b> , 82, 2298-2301	7.4	14
211	Superconducting Transition Temperature vs. Hole Concentration in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> Single Crystals with Varying Oxygen Stoichiometry. <i>Europhysics Letters</i> , <b>1990</b> , 11, 55-60	1.6	14
210	Temperature-dependent Hall coefficient of the organic super-conductor beta-di. <i>Physical Review B</i> , <b>1990</b> , 41, 11646-11648	3.3	14
209	Magnetoresistance study of the effect of disorder on the organic superconductor bis-tetramethyltetraselenafulvalenium perchlorate. <i>Physical Review B</i> , <b>1988</b> , 38, 11177-11183	3.3	14
208	Defect concentration dependent phase transition in the organic quasi-one-dimensional conductor N-Propyl-Quinolinium (TCNQ) <sub>2</sub> . <i>Solid State Communications</i> , <b>1979</b> , 32, 845-849	1.6	14
207	Two-fold symmetric superconductivity in few-layer NbSe <sub>2</sub> . <i>Nature Physics</i> , <b>2021</b> , 17, 949-954	16.2	14
206	Reinforcing multiwall carbon nanotubes by electron beam irradiation. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 084314	2.5	13
205	Resistivity and upper critical field anisotropy in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> single crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1988</b> , 128, 283-285	2.3	13
204	Kilogram-Scale Crystallogensis of Halide Perovskites for Gamma-Rays Dose Rate Measurements. <i>Advanced Science</i> , <b>2021</b> , 8, 2001882	13.6	13
203	Sensing hydrogen peroxide by carbon nanotube/horseradish peroxidase bio-nanocomposite. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2559-2563	1.3	12
202	Electron Spin Dynamics of Two-Dimensional Layered Materials. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604040	15.6	12
201	Accounting for inertia effects to access the high-frequency microrheology of viscoelastic fluids. <i>Physical Review E</i> , <b>2014</b> , 90, 060301	2.4	12
200	Site-selective quantum correlations revealed by magnetic anisotropy in the tetramer system SeCuO <sub>3</sub> . <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	12



199	Anharmonic order-parameter oscillations and lattice coupling in strongly driven $1T\text{TaS}_2$ and $\text{TbTe}_3$ charge-density-wave compounds: A multiple-pulse femtosecond laser spectroscopy study. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	12
198	Photocatalytic and phototoxic properties of $\text{TiO}_2$ -based nanofilaments: ESR and AFM assays. <i>Nanotoxicology</i> , <b>2012</b> , 6, 813-24	5.3	12
197	Infrared and optical spectra of polymerized $\text{AC}_{60}$ fullerides. <i>Chemical Physics Letters</i> , <b>1998</b> , 295, 279-284.	2.5	12
196	Generalized Elliott-Yafet theory of electron spin relaxation in metals: origin of the anomalous electron spin lifetime in $\text{MgB}_2$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 177003	7.4	12
195	Alternative pseudogap scenario: Spectroscopic analogies between underdoped and disordered $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ . <i>Physical Review B</i> , <b>2000</b> , 61, 11248-11250	3.3	12
194	Infrared and differential-scanning-calorimetry study of the room-temperature cubic phase of $\text{RbC}_{60}$ . <i>Physical Review B</i> , <b>1995</b> , 52, 11488-11491	3.3	12
193	Oxygen distribution, incommensurate modulation, and structural disorder in $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-y}\text{YyCu}_2\text{O}_{8+\delta}$ and $\text{Bi}_{10}\text{Sr}_{15}\text{Fe}_{10}\text{O}_{46}$ single crystals. <i>Physical Review B</i> , <b>1996</b> , 54, 16147-16159	3.3	12
192	Tunneling and infrared spectroscopy on high $T_c$ superconductors. <i>Journal of Physics and Chemistry of Solids</i> , <b>1993</b> , 54, 1359-1368	3.9	12
191	Electrical property measurements of Cr-N codoped $\text{TiO}_2$ epitaxial thin films grown by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 172108	3.4	11
190	Influence of Protamine Functionalization on the Colloidal Stability of 1D and 2D Titanium Oxide Nanostructures. <i>Langmuir</i> , <b>2017</b> , 33, 9750-9758	4	11
189	Strong interplay between the electron spin lifetime in chemically synthesized graphene multilayers and surface-bound oxygen. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 770-7	4.8	11
188	Observation of conduction electron spin resonance in boron-doped diamond. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	11
187	From nanotubes to single crystals: Co doped $\text{TiO}_2$ . <i>APL Materials</i> , <b>2013</b> , 1, 032111	5.7	11
186	Tuning the length dispersion of multi-walled carbon nanotubes by ball milling. <i>AIP Advances</i> , <b>2013</b> , 3, 092117	1.5	11
185	Dual [proton]/[hole] mixed valence in a molecular metal: balancing chemical activity in the solid state by tapping into a molecular hole reservoir. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 1516-1522		11
184	$T_2$ behaviour in the low temperature penetration depth of oxygen depleted $\text{YBaCuO}$ crystals. <i>Solid State Communications</i> , <b>1990</b> , 75, 737-741	1.6	11
183	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $\text{Co}_{1/3}\text{NbS}_2$ . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	11
182	The ethanol sensors made from $\text{Fe}_2\text{O}_3$ decorated with multiwall carbon nanotubes. <i>Advances in Nano Research</i> , <b>2015</b> , 3, 1-11		11

181	Fighting Health Hazards in Lead Halide Perovskite Optoelectronic Devices with Transparent Phosphate Salts. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 33995-34002	9.5	11
180	Morphology and Photoluminescence of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Deposits on Nonplanar, Strongly Curved Substrates. <i>ACS Photonics</i> , <b>2018</b> , 5, 1476-1485	6.3	10
179	Carbon nanotubes quench singlet oxygen generated by photosynthetic reaction centers. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 2539-2543	1.3	10
178	Cyan titania nanowires: Spectroscopic study of the origin of the self-doping enhanced photocatalytic activity. <i>Catalysis Today</i> , <b>2017</b> , 284, 52-58	5.3	10
177	Pseudogap and superconducting gap in the electronic Raman spectra of underdoped cuprates. <i>Journal of Physics and Chemistry of Solids</i> , <b>1998</b> , 59, 1942-1946	3.9	10
176	Electron spin resonance in alkali doped SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 1975-1978	1.1	10
175	Chemical Pressure-Induced Ferromagnetism and Stabilization of the Metallic State in Ba <sub>1-x</sub> Sr <sub>x</sub> VS <sub>3</sub> . <i>International Journal of Modern Physics B</i> , <b>2003</b> , 17, 3503-3508	1.1	10
174	Large fluctuations in the disassembly rate of microtubules revealed by atomic force microscopy. <i>Ultramicroscopy</i> , <b>2003</b> , 97, 239-47	3.1	10
173	Coexisting one-dimensional and three-dimensional spectral signatures in TaTe <sub>4</sub> . <i>Physical Review B</i> , <b>1999</b> , 59, 7762-7766	3.3	10
172	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. <i>Catalysis Today</i> , <b>2017</b> , 284, 146-152	5.3	9
171	Loading and release of internally self-assembled emulsions embedded in a magnetic hydrogel. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 043701	3.4	9
170	Preparation and characterization of SU8/carbon nanotube composites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 2461-2464	1.3	9
169	Intracellular nanomanipulation by a photonic-force microscope with real-time acquisition of a 3D stiffness matrix. <i>Nanotechnology</i> , <b>2009</b> , 20, 285709	3.4	9
168	Multiwalled Carbon Nanotubes Produced by a Continuous CVD Method and Their Use in Melt Mixed Composites with Polycarbonate. <i>Macromolecular Symposia</i> , <b>2007</b> , 254, 392-399	0.8	9
167	Morphology of (KC60) <sub>n</sub> polymeric fibers. <i>Synthetic Metals</i> , <b>1996</b> , 80, 29-34	3.6	9
166	Pressure effect on the magnetic susceptibility of low dimensional organic conductors $\beta$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> and (TMTSF) <sub>2</sub> X (X = ClO <sub>4</sub> , PF <sub>6</sub> , ReO <sub>4</sub> ). <i>Synthetic Metals</i> , <b>1987</b> , 19, 339-346	3.6	9
165	Hall-effect of the high T <sub>c</sub> superconductors Y <sub>1-x</sub> Ba <sub>x</sub> Cu <sub>2</sub> O and Gd <sub>1-x</sub> Ba <sub>x</sub> Cu <sub>2</sub> O. <i>Solid State Communications</i> , <b>1988</b> , 65, 1355-1358	1.6	9
164	Radiation detection and energy conversion in nuclear reactor environments by hybrid photovoltaic perovskites. <i>Energy Conversion and Management</i> , <b>2020</b> , 205, 112423	10.6	9

163	Characterizing the maximum number of layers in chemically exfoliated graphene. <i>Scientific Reports</i> , <b>2019</b> , 9, 19480	4.9	9
162	Tuning ferromagnetism at room temperature by visible light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6417-6423	11.5	8
161	Magnetic excitations and amplitude fluctuations in insulating cuprates. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	8
160	Direct growth of nanotubes and graphene nanoflowers on electrochemical platinum electrodes. <i>Nanoscale</i> , <b>2013</b> , 5, 12448-55	7.7	8
159	High-pressure study of transport properties in Co <sub>0.33</sub> NbS <sub>2</sub> . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	8
158	Three-dimensional force measurements in optical tweezers formed with high-NA micromirrors. <i>Optics Letters</i> , <b>2009</b> , 34, 1063-5	3	8
157	Measurement of interlayer spin diffusion in the organic conductor , , Br. <i>Physica B: Condensed Matter</i> , <b>2010</b> , 405, S168-S171	2.8	8
156	Experimental Investigation of Symmetry Reduction and Electron-Molecular Vibration Coupling in Various RbC <sub>60</sub> Phases. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , <b>1997</b> , 5, 465-478		8
155	La@C <sub>82</sub> as a spin-active filling of SWCNTs: ESR study of magnetic and photophysical properties. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2042-2046	1.3	8
154	Competition between magnetic field dependent band structure and coherent backscattering in multiwall carbon nanotubes. <i>New Journal of Physics</i> , <b>2007</b> , 9, 56-56	2.9	8
153	Beyond the linearity of current-voltage characteristics in multiwalled carbon nanotubes. <i>Semiconductor Science and Technology</i> , <b>2006</b> , 21, S33-S37	1.8	8
152	Catalytic carbon nanotube and fullerene synthesis under reduced pressure in a batch reactor. <i>Carbon</i> , <b>2004</b> , 42, 1599-1607	10.4	8
151	Magnetic-field-induced density of states in MgB <sub>2</sub> : Spin susceptibility measured by conduction-electron spin resonance. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	8
150	Anisotropic transport in the spin-density-wave state of (TMTSF) <sub>2</sub> PF <sub>6</sub> . <i>Physical Review B</i> , <b>1999</b> , 60, 4414-4417	3.3	8
149	High-pressure cell for oxygen annealing at elevated temperatures. <i>Review of Scientific Instruments</i> , <b>1993</b> , 64, 2397-2398	1.7	8
148	Hall effect of the charge-density-wave system (NbSe <sub>4</sub> ) <sub>10/3</sub> I. <i>Physical Review B</i> , <b>1989</b> , 40, 2885-2888	3.3	8
147	Rb <sub>1</sub> C <sub>60</sub> under Pressure: an NMR and ESR Study. <i>Journal De Physique, I</i> , <b>1996</b> , 6, 2181-2190		8
146	Functionalized graphene grown by oxidative dehydrogenation chemistry. <i>Carbon</i> , <b>2014</b> , 71, 11-19	10.4	7

145	Generating photocurrent by nanocomposites based on photosynthetic reaction centre protein. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2614-2619	1.3	7
144	Two-dimensional Magnetism in $\text{[(BEDT-TTF)}_2\text{Cu[N(CN)}_2\text{]Cl}$ , a Spin-1/2 Heisenberg Antiferromagnet with Dzyaloshinskii-Moriya Interaction. <i>Journal of the Physical Society of Japan</i> , <b>2015</b> , 84, 124704	1.5	7
143	$\text{LaFe}_2\text{As}_2\text{Te}_{1-x}\text{O}_4\text{F}_x$ (L=Pr,Sm,Gd): A layered oxypnictide superconductor with Tc up to 45 K. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	7
142	Long term stabilization of reaction center protein photochemistry by carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2454-2457	1.3	7
141	Low-frequency Raman-scattering investigation of RbC60. <i>Physical Review B</i> , <b>1997</b> , 56, 13642-13645	3.3	7
140	Non-uniform doping across the Fermi surface of NbS <sub>2</sub> intercalates. <i>European Physical Journal B</i> , <b>2007</b> , 57, 385-390	1.2	7
139	Thermoelectric Onsager coefficients of Rb <sub>0.3</sub> MoO <sub>3</sub> in the depinned charge-density-wave state. <i>Physical Review B</i> , <b>1990</b> , 41, 5451-5454	3.3	7
138	Atomic Force Microscopy and Quartz Crystal Microbalance Study of the Lectin-Carbohydrate Interaction Kinetics. <i>Acta Physica Polonica A</i> , <b>2007</b> , 111, 273-286	0.6	7
137	Structure and photocatalytic properties of sintered TiO <sub>2</sub> nanotube arrays. <i>Science of Sintering</i> , <b>2018</b> , 50, 39-50	0.7	7
136	Thermal fluctuation analysis of singly optically trapped spheres in hollow photonic crystal cavities. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 241107	3.4	7
135	Photodiode Response in a CH <sub>3</sub> NH <sub>3</sub> PbI/CH <sub>3</sub> NH <sub>3</sub> SnI Heterojunction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 10198-10202	9.5	6
134	Differential Response of the Photoluminescence and Photocurrent of Polycrystalline CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> to the Exposure to Oxygen and Nitrogen. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 2007-2017	4	6
133	Effect of Thermal Cycling on the Structural Evolution of Methylammonium Lead Iodide Monitored around the Phase Transition Temperatures. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900044	7.1	6
132	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. <i>ACS Nano</i> , <b>2020</b> , 14, 7492-7501	16.7	6
131	Single potassium niobate nano/microsized particles as local mechano-optical Brownian probes. <i>Nanoscale</i> , <b>2016</b> , 8, 6810-9	7.7	6
130	Tailoring thermal conduction in anatase TiO <sub>2</sub> . <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	6
129	J1 $\times$ J2 square lattice antiferromagnetism in the orbitally quenched insulator MoOPO <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
128	Doped carbon nanotubes as a model system of biased graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6

127	Charge-Stripe Order and Superconductivity in IrPtTe. <i>Scientific Reports</i> , <b>2017</b> , 7, 17157	4.9	6
126	Multi-Functional Magnetic Photoluminescent Photocatalytic Polystyrene-Based Micro- and Nano-Fibers Obtained by Electrospinning. <i>Fibers</i> , <b>2014</b> , 2, 75-91	3.7	6
125	Chemical challenges during the synthesis of MWCNT-based inorganic nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2360-2365	1.3	6
124	Magnetic fluctuations above the Néel temperature in $\text{[(BEDT-TTF)}_2\text{Cu[N(CN)}_2\text{]Cl}$ , a quasi-2D Heisenberg antiferromagnet with Dzyaloshinskii-Moriya interaction. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 1004-1007	1.3	6
123	Origin of the ESR spectrum in the Prussian blue analog $\text{RbMn[Fe(CN)}_6\text{]}\cdot\text{H}_2\text{O}$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	6
122	Charge ordering in substituted and non-stoichiometric $\text{BaVS}_3$ . <i>Europhysics Letters</i> , <b>2010</b> , 89, 27006	1.6	6
121	Electronic properties of aligned carbon nanotubes. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2311-2312	3.6	6
120	The electronic structure and the phases of $\text{BaVS}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2007</b> , 310, 928-934	2.8	6
119	Stability and electronic properties of magnetic peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2034-2037	1.3	6
118	Electron relaxation rate in high- $T_c$ superconductors below $T_c$ . <i>Physical Review B</i> , <b>1992</b> , 46, 8632-8634	3.3	6
117	Hall effect measurements in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . <i>Solid State Communications</i> , <b>1988</b> , 65, 573-576	1.6	6
116	The effect of disorder on the metal-insulator and superconductor phase transitions in the $\text{band } \pi$ phases of $(\text{BEDT-TTF})_2\text{I}_3$ . <i>Solid State Communications</i> , <b>1988</b> , 65, 1359-1362	1.6	6
115	Growth of CNT Forests on Titanium Based Layers, Detailed Study of Catalysts. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 593	5	6
114	Optical detection of charge dynamics in $\text{CH}_3\text{NH}_3\text{PbI}_3$ /carbon nanotube composites. <i>Nanoscale</i> , <b>2017</b> , 9, 17781-17787	4.7	5
113	Dry-pressed anodized titania nanotube/ $\text{CH}_3\text{NH}_3\text{PbI}_3$ single crystal heterojunctions: The beneficial role of N doping. <i>Ceramics International</i> , <b>2019</b> , 45, 10013-10020	5.1	5
112	On the low temperature microwave absorption anomaly in single-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2487-2490	1.3	5
111	Fabrication of homogeneous titania/MWNT composite materials. <i>Materials Research Bulletin</i> , <b>2011</b> , 46, 1991-1996	5.1	5
110	Controllable synthesis and characterization of alumina/MWNT nanocomposites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2480-2483	1.3	5

109	The Real Carbon K-Edge. <i>Microscopy and Microanalysis</i> , <b>2008</b> , 14, 674-675	0.5	5
108	High frequency electron spin resonance study of peapods. <i>Physica Status Solidi (B): Basic Research</i> , <b>2008</b> , 245, 2029-2033	1.3	5
107	The impact of ageing on the magnetic properties of Cu(OH) <sub>2</sub> nanoribbons. <i>Nanotechnology</i> , <b>2005</b> , 16, 1623-1629	3.4	5
106	Optical properties of the A <sub>1</sub> C <sub>60</sub> (A = K, Rb and Cs) linear polymer fullerides. <i>Synthetic Metals</i> , <b>1996</b> , 77, 111-114	3.6	5
105	High-pressure study of a charge-density-wave compound (NbSe <sub>4</sub> ) <sub>10/3</sub> I. <i>Physical Review B</i> , <b>1989</b> , 40, 8064-8067	3.9	5
104	Defect-concentration dependence of the charge-density-wave transport in tetrathiafulvalene tetracyanoquinodimethane. <i>Physical Review B</i> , <b>1987</b> , 35, 5884-5886	3.3	5
103	Structure and electronic properties of La-Sr-Cu oxide ceramics. <i>Solid State Communications</i> , <b>1987</b> , 63, 133-135	1.6	5
102	Mechanical Properties of Carbon Nanotubes. <i>Nanoscience and Technology</i> , <b>2007</b> , 583-600	0.6	5
101	Synthesis, Comparative Characterization and Photocatalytic Application of SnO <sub>2</sub> /MWCNT Nanocomposite Materials. <i>Journal of Coating Science and Technology</i> , <b>2014</b> , 1, 137-150	1	5
100	Interplay between optical, viscous, and elastic forces on an optically trapped Brownian particle immersed in a viscoelastic fluid. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 143702	3.4	5
99	Rapid thickness reading of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire thin films from color maps. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2017-2023	1.6	5
98	Crystal Structure, Transport, and Magnetic Properties of an Ir(6+) Compound Ba <sub>8</sub> Al <sub>2</sub> IrO <sub>14</sub> . <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 4371-6	5.1	4
97	Calibration of optical tweezers with non-spherical probes via high-resolution detection of Brownian motion. <i>Computer Physics Communications</i> , <b>2015</b> , 196, 599-610	4.2	4
96	Gas sensors made of multiwall carbon nanotubes modified by tin dioxide. <i>Journal of Contemporary Physics</i> , <b>2013</b> , 48, 176-183	0.5	4
95	Manifestation of the spin textures in the thermopower of MnSi. <i>Europhysics Letters</i> , <b>2013</b> , 103, 57015	1.6	4
94	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2438-2443	1.3	4
93	The effect of titania precursor on the morphology of prepared TiO <sub>2</sub> /MWCNT nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2384-2388	1.3	4
92	Charge stabilization by reaction center protein immobilized to carbon nanotubes functionalized by amine groups and poly(3-thiophene acetic acid) conducting polymer. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2386-2389	1.3	4

91	Infrared investigation of the phonon spectrum in the frustrated spin cluster compound FeTe(2)O(5)Cl. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 375401	1.8	4
90	Catalyst preparation with ball milling for catalytic synthesis of coiled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 2713-2716	1.3	4
89	Comment on "Optical Conductivity of High Tc Superconductors: From Underdoped to Overdoped". <i>Physical Review Letters</i> , <b>1997</b> , 79, 4935-4935	7.4	4
88	Metallic bundles of single-wall carbon nanotubes probed by electron spin resonance. <i>Physica Status Solidi (B): Basic Research</i> , <b>2007</b> , 244, 3885-3889	1.3	4
87	Oxidative stress-mediated protein conformation changes: ESR study of spin-labelled staphylococcal nuclease. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 285201	1.8	4
86	Conduction electron spin resonance in Rb1C60 and Rb3C60. <i>Synthetic Metals</i> , <b>1995</b> , 70, 1333-1336	3.6	4
85	High pressure study of YBa2Cu3O7 single crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1991</b> , 161, 314-318	2.3	4
84	Thermal coarsening of individual titanate nanowires and their assemblies: Surface vs. bulk diffusion. <i>Ceramics International</i> , <b>2020</b> , 46, 16321-16327	5.1	4
83	Single crystals of superconducting SmFeAsO <sub>x</sub> : Structure and properties. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
82	High-Pressure Synthesis of Rare-Earth Borate-Nitrate Crystals for Second Harmonic Generation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 286-291	5.1	4
81	The influence of the incommensurately modulated structure on the physical properties of Fe1.35Ge. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 794, 108-113	5.7	3
80	Infrared and 2-Dimensional Correlation Spectroscopy Study of the Effect of CHNHPbI and CHNHSnI Photovoltaic Perovskites on Eukaryotic Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
79	Photosynthetic reaction centre/carbon nanotube bundle composites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2366-2371	1.3	3
78	Electron spin lifetime in chemically synthesized graphene sheets. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2521-2524	1.3	3
77	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. <i>Langmuir</i> , <b>2017</b> , 33, 9043-9049	4	3
76	Equilibrium concentration of singlet oxygen in photoreaction of reaction center/carbon nanotube bionanocomposites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2479-2484	1.3	3
75	Micro-Electro-Mechanical capacitors based on vertical carbon nanotube arrays <b>2009</b> ,		3
74	On the electronic properties of the quasi-one-dimensional crystal. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 820-822	3	3

73	Optical evidence of metal-insulator phase transition in A1C60. <i>Journal of Physics and Chemistry of Solids</i> , <b>1997</b> , 58, 1797-1802	3.9	3
72	Influence of chemical substitutions on the charge instability of. <i>Physica B: Condensed Matter</i> , <b>2008</b> , 403, 1625-1627	2.8	3
71	Effect of electron and ultraviolet irradiation on aligned carbon nanotube fibers. <i>Physica Status Solidi (B): Basic Research</i> , <b>2006</b> , 243, 3351-3354	1.3	3
70	Fullerene local order in Na2CsC60 by <sup>23</sup> Na NMR. <i>Applied Magnetic Resonance</i> , <b>2004</b> , 27, 133-138	0.8	3
69	Controlled Growth and Applications of Carbon Nanotubes. <i>Chimia</i> , <b>2002</b> , 56, 547-552	1.3	3
68	Raman Spectroscopy in YBa2Cu3O6+x and Bi2Sr2(CaxY1-x)Cu2O8+ $\delta$ Pseudogap and Superconducting Gap. <i>Physica Status Solidi (B): Basic Research</i> , <b>1999</b> , 215, 471-476	1.3	3
67	<sup>133</sup> Cs and <sup>13</sup> C-NMR in CsC60 polymers under pressure. <i>Synthetic Metals</i> , <b>1999</b> , 103, 2399-2402	3.6	3
66	Study of k-dependent electronic properties in cuprate superconductors using Raman spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , <b>1995</b> , 56, 1841-1842	3.9	3
65	Pressure effect on the ohmic and non linear transport of K0.3MoO3. <i>Solid State Communications</i> , <b>1990</b> , 73, 265-269	1.6	3
64	Thermal properties of (NbSe4)3I. <i>Synthetic Metals</i> , <b>1987</b> , 19, 859-862	3.6	3
63	Intermolecular Resonance Correlates Electron Pairs Down a Supermolecular Chain: Antiferromagnetism in K-Doped -Terphenyl. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20624-20630	16.4	3
62	Influence of the organic cation disorder on photoconductivity in ethylenediammonium lead iodide, NH3CH2CH2NH3PbI4. <i>CrystEngComm</i> , <b>2018</b> , 20, 3543-3549	3.3	3
61	Pressure-induced transformation of CHNHPbI: the role of the noble-gas pressure transmitting media. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2019</b> , 75, 361-370	1.8	2
60	Electrical transport in onion-like carbon/BMMA nanocomposites. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 103102	3.4	2
59	Quantum spin-liquid states in an organic magnetic layer and molecular rotor hybrid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29555-29560	11.5	2
58	Mechanical response of layered titanate nanowires. <i>Ceramics International</i> , <b>2020</b> , 46, 17729-17734	5.1	2
57	Persistent antiferromagnetic order in heavily overdoped Ca La FeAs. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 485705	1.8	2
56	Improved Alkali Intercalation of Carbonaceous Materials in Ammonia Solution. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1900324	1.3	2



55	Spin and Charge Transport in the X-ray Irradiated Quasi-2D Layered Compound: $(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ . <i>Crystals</i> , <b>2012</b> , 2, 579-589	2.3	2
54	NMR study of the magnetic properties of the polymerized phase of $\text{CsTlC}_6\text{O}$ . <i>Applied Physics A: Materials Science and Processing</i> , <b>1997</b> , 64, 289-293	2.6	2
53	High Pressure ESR System with Double-Stacked Dielectric Resonators Its Application to the Polymerization of the TDAE $\text{C}_6\text{O}$ Organic Ferromagnet <i>Journal of the Physical Society of Japan</i> , <b>2003</b> , 72, 151-155	1.5	2
52	Synthesis and Magnetic Characterization of $\text{Cu}(\text{OH})_2$ Nanoribbons. <i>AIP Conference Proceedings</i> , <b>2004</b> ,	0	2
51	Diameter Dependence of the Elastic Modulus of CVD-Grown Carbon Nanotubes. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
50	Carbon Nanotubes As Scanning Probe Tips. <i>AIP Conference Proceedings</i> , <b>2002</b> ,	0	2
49	$^{151}\text{Eu}$ Mössbauer study of $\text{Eu}_3\text{C}_6\text{O}$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 2013-2018	3.9	2
48	Carbon nanotubes, materials for the future. <i>Europhysics News</i> , <b>2001</b> , 32, 86-90	0.2	2
47	Linear resistivity from $\sim 1$ to 1050K in $\text{Sr}_2\text{RuO}_4$ single crystals grown by the flux technique. <i>Journal of the European Ceramic Society</i> , <b>1999</b> , 19, 1515-1518	6	2
46	Longitudinal electron-spin relaxation in $\text{RbC}_6\text{O}$ . <i>Solid State Communications</i> , <b>1996</b> , 98, 977-980	1.6	2
45	Jössy et al. reply. <i>Physical Review Letters</i> , <b>1994</b> , 72, 3131	7.4	2
44	The effect of disorder on the conduction electron spin resonance linewidth of the $\text{Cu}^2+$ and $\text{Cu}^+$ phases of $(\text{BEDT-TTF})_2\text{I}_3$ . <i>Solid State Communications</i> , <b>1987</b> , 64, 771-774	1.6	2
43	$\text{SrPtAs}$ : a layered incommensurately modulated metal with saturated resistivity. <i>IUCrJ</i> , <b>2018</b> , 5, 470-477	4.7	2
42	Controlling the Structure of Carbon Deposit by Nitrogen Doping Catalytic Chemical Vapor Deposition Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2021</b> , 21, 2413-2418	1.3	2
41	Evidence of anomalous switching of the in-plane magnetic easy axis with temperature in $\text{FeO}$ film on $\text{SrTiO}_3:\text{Nb}$ by v-MOKE and ferromagnetic resonance. <i>Nanoscale</i> , <b>2019</b> , 11, 19870-19876	7.7	2
40	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , <b>2021</b> , 11, 17159	4.9	2
39	Role of sulfur in $\text{BaVS}_3$ probed by S K-edge absorption spectroscopy. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 460, 191-195	2.8	1
38	Tuning Conductivity and Spin Dynamics in Few-Layer Graphene via In Situ Potassium Exposure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2020</b> , 257, 2000368	1.3	1

37	Light-induced charge transfer at the CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /TiO <sub>2</sub> interface – low-temperature photo-electron paramagnetic resonance assay. <i>JPhys Photonics</i> , <b>2020</b> , 2, 014007	2.5	1
36	Anisotropic Elliott-Vafet theory and application to KC8 potassium intercalated graphite. <i>Physica Status Solidi (B): Basic Research</i> , <b>2016</b> , 253, 2505-2508	1.3	1
35	Empirical Monod-Beuneu relation of spin relaxation revisited for elemental metals. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	1
34	PFMCal : Photonic force microscopy calibration extended for its application in high-frequency microrheology. <i>Computer Physics Communications</i> , <b>2017</b> , 220, 507-508	4.2	1
33	Photodetectors: 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 37/2015). <i>Small</i> , <b>2015</b> , 11, 4823-4823	11	1
32	Raman studies of C60, phototransformed C60 and AC60 phases. <i>Synthetic Metals</i> , <b>1997</b> , 86, 2325-2326	3.6	1
31	Chapter 6 Structural properties and nanoelectromechanical systems applications. <i>Contemporary Concepts of Condensed Matter Science</i> , <b>2008</b> , 135-170		1
30	Phonon analysis of the S = 1 quantum spin systems Ni(5)Te(4)O(12)X(2) (X = Cl and Br). <i>Journal of Physics Condensed Matter</i> , <b>2006</b> , 18, 4065-70	1.8	1
29	Electrical Properties of Single-Walled Carbon Nanotube Fiber under Electron Irradiation <b>2005</b> , 17-20		1
28	Comment on "Low temperature magnetic instabilities in triply charged fulleride polymers". <i>Physical Review Letters</i> , <b>2001</b> , 87, 129703	7.4	1
27	Infrared spectra of C70 and its alkali salts. <i>Ferroelectrics</i> , <b>2001</b> , 249, 117-124	0.6	1
26	Phase selection and transformation kinetics in KC60. <i>Physical Review B</i> , <b>1996</b> , 54, 11865-11868	3.3	1
25	The Increase in Protein Contour Length Depends on Mechanical Unfolding Conditions. <i>Acta Physica Polonica A</i> , <b>2008</b> , 113, 753-762	0.6	1
24	Ultrahigh nitrogen-vacancy center concentration in diamond. <i>Carbon</i> , <b>2022</b> , 188, 393-400	10.4	1
23	Filamentous and step-like behavior of gelling coarse fibrin networks revealed by high-frequency microrheology. <i>Soft Matter</i> , <b>2020</b> , 16, 4234-4242	3.6	1
22	Solar water purification with photocatalytic nanocomposite filter based on TiO <sub>2</sub> nanowires and carbon nanotubes. <i>Npj Clean Water</i> , <b>2022</b> , 5,	11.2	1
21	Fast Lead-Free Humidity Sensor Based on Hybrid Halide Perovskite. <i>Crystals</i> , <b>2022</b> , 12, 547	2.3	1
20	Electron Microscopy Investigation of Coated Multiwall Carbon Nanotubes Prepared by Reactive Ball Milling. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 502-508	1.3	

- 19 Optical evidence of metal-insulator phase transition in alkali metal doped fullerenes. *Synthetic Metals*, **1997**, 86, 2343-2344 3.6
- 18 NMR Evidence for C<sub>60</sub> Configurational Fluctuations Around Na Sites in Na<sub>2</sub>CsC<sub>60</sub>. *Journal of Superconductivity and Novel Magnetism*, **2007**, 20, 155-159 1.5
- 17 Resistive switching in  $\text{ErV}_6\text{O}_{15}$ . *European Physical Journal B*, **2008**, 61, 287-291 1.2
- 16 Fullerene molecule strain in RbC<sub>60</sub>. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2000**, 268, 395-398 2.3
- 15 A light-scattering study of dynamical carrier properties in cuprate systems. *Ferroelectrics*, **2001**, 249, 155-164 0.6
- 14 D'Anna et al. Reply:. *Physical Review Letters*, **1999**, 82, 3379-3379 7.4
- 13 D'Anna et al. Reply:. *Physical Review Letters*, **1999**, 82, 2414-2414 7.4
- 12 Defect-induced Changes in the Spectral Properties of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub>: Angle-resolved Photoemission Study. *Journal of Low Temperature Physics*, **1999**, 117, 371-375 1.3
- 11 Transverse transport in the SDW phase of (TMTSF)<sub>2</sub>PF<sub>6</sub>. *Synthetic Metals*, **1999**, 103, 2137 3.6
- 10 A study of critical and thermal pair breaking in differently doped Cu<sub>1-x</sub> superconductors by electronic Raman scattering. *European Physical Journal D*, **1996**, 46, 1107-1108
- 9 <sup>13</sup>C and Alkali NMR Studies of Electronic and Structural Properties of Alkali Fullerenes, Nanotubes, and Carbon Nanostructures. *Fullerenes, Nanotubes, and Carbon Nanostructures*, **1996**, 4, 1091-1107
- 8 <sup>7</sup>Ni-O chemical interaction and the transition temperature of Ni-doped Bi<sub>2</sub>Sr<sub>2</sub>Ca<sub>1</sub>Cu<sub>2</sub>O<sub>8</sub>. *Applied Physics Letters*, **1993**, 63, 562-564 3.4
- 7 The thermoelectric properties of Rb<sub>0.3</sub>MoO<sub>3</sub> in an interacting two-fluid model. *Synthetic Metals*, **1991**, 43, 4025 3.6
- 6 Correlation of the structural and transport properties of the high T<sub>c</sub> superconductors La-Sr-Cu-O and Y-Ba-Cu-O. *Physica Scripta*, **1988**, 37, 898-900 2.6
- 5 Nanoscale Mechanical Properties [Measuring Techniques and Applications] **2007**, 1107-1136
- 4 Photo-oxidative Stress in the Presence of a Water-soluble Derivative of C<sub>60</sub>: ESR and AFM Assays **2007**, 153-180
- 3 Acoustic-Pressure-Assisted Engineering of Aluminum Foams. *Advanced Engineering Materials*, **2021**, 23, 2100306 3.5
- 2 Highly flexible CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> micro- and nanowires. *Applied Physics Letters*, **2021**, 119, 081903 3.4

- 1 Synthesis of murunskite single crystals: A bridge between cuprates and pnictides. *Applied Materials Today*, **2021**, 24, 101096 6.6