

# Lszl Forr

## List of Publications by Year in Descending Order

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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	Ultrahigh nitrogen-vacancy center concentration in diamond. <i>Carbon</i> , <b>2022</b> , 188, 393-400	10.4	1
467	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
466	Fast Lead-Free Humidity Sensor Based on Hybrid Halide Perovskite. <i>Crystals</i> , <b>2022</b> , 12, 547	2.3	1
465	Acoustic-Pressure-Assisted Engineering of Aluminum Foams. <i>Advanced Engineering Materials</i> , <b>2021</b> , 23, 2100306	3.5	
464	Two-fold symmetric superconductivity in few-layer NbSe <sub>2</sub> . <i>Nature Physics</i> , <b>2021</b> , 17, 949-954	16.2	14
463	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
462	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
461	Kilogram-Scale Crystallogensis of Halide Perovskites for Gamma-Rays Dose Rate Measurements. <i>Advanced Science</i> , <b>2021</b> , 8, 2001882	13.6	13
460	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
459	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. <i>ACS Nano</i> , <b>2021</b> , 15, 4077-4084	16.7	17
458	Highly flexible CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> micro- and nanowires. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 081903	3.4	
457	Hybrid halide perovskite neutron detectors. <i>Scientific Reports</i> , <b>2021</b> , 11, 17159	4.9	2
456	Synthesis of murunskite single crystals: A bridge between cuprates and pnictides. <i>Applied Materials Today</i> , <b>2021</b> , 24, 101096	6.6	
455	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
454	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
453	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
452	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. <i>ACS Nano</i> , <b>2020</b> , 14, 7492-7501	16.7	6

451	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
450	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
449	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
448	Mahan excitons in room-temperature methylammonium lead bromide perovskites. <i>Nature Communications</i> , <b>2020</b> , 11, 850	17.4	15
447	Infrared and 2-Dimensional Correlation Spectroscopy Study of the Effect of CH <sub>3</sub> NH <sub>3</sub> PbI and CH <sub>3</sub> NH <sub>3</sub> SnI Photovoltaic Perovskites on Eukaryotic Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
446	Mechanical response of layered titanate nanowires. <i>Ceramics International</i> , <b>2020</b> , 46, 17729-17734	5.1	2
445	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet Co <sub>1/3</sub> NbS <sub>2</sub> . <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	11
444	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
443	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
442	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
441	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004615	15.6	36
440	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
439	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
438	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	
437	Pressure-induced transformation of CH <sub>3</sub> NH <sub>3</sub> PbI: 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
436	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
435	The influence of the incommensurately modulated structure on the physical properties of Fe <sub>1.35</sub> Ge. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 794, 108-113	5.7	3
434	Electrical transport in onion-like carbon@MMA nanocomposites. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 103102	3.4	2

433	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
432	Dry-pressed anodized titania nanotube/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> single crystal heterojunctions: The beneficial role of N doping. <i>Ceramics International</i> , <b>2019</b> , 45, 10013-10020	5.1	5
431	Persistent antiferromagnetic order in heavily overdoped Ca La FeAs. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 485705	1.8	2
430	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
429	Tailoring thermal conduction in anatase TiO <sub>2</sub> . <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	6
428	Characterizing the maximum number of layers in chemically exfoliated graphene. <i>Scientific Reports</i> , <b>2019</b> , 9, 19480	4.9	9
427	Evidence of anomalous switching of the in-plane magnetic easy axis with temperature in FeO film on SrTiO:Nb by v-MOKE and ferromagnetic resonance. <i>Nanoscale</i> , <b>2019</b> , 11, 19870-19876	7.7	2
426	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
425	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	13.1	68
424	Magnetic excitations and amplitude fluctuations in insulating cuprates. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	8
423	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe. <i>Nature Materials</i> , <b>2018</b> , 17, 504-508	27	58
422	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
421	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
420	SrPt As: a layered incommensurately modulated metal with saturated resistivity. <i>IUCrJ</i> , <b>2018</b> , 5, 470-477	4.7	2
419	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
418	Growth of CNT Forests on Titanium Based Layers, Detailed Study of Catalysts. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 593	5	6
417	Influence of the organic cation disorder on photoconductivity in ethylenediammonium lead iodide, NH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> NH <sub>3</sub> PbI <sub>4</sub> . <i>CrystEngComm</i> , <b>2018</b> , 20, 3543-3549	3.3	3
416	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

415	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. <i>Catalysis Today</i> , <b>2017</b> , 284, 146-152	5.3	9
414	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. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 13549-13556	3.8	25
413	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> , <b>2017</b> , 110, 121903	3.4	32
412	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
411	Optical detection of charge dynamics in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /carbon nanotube composites. <i>Nanoscale</i> , <b>2017</b> , 9, 17781-17787	3.7	37
410	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
409	J1J <sub>2</sub> square lattice antiferromagnetism in the orbitally quenched insulator MoOPO <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
408	Clean, cleaved surfaces of the photovoltaic perovskite. <i>Scientific Reports</i> , <b>2017</b> , 7, 695	4.9	24
407	Pressure effect and superconductivity in the Bi <sub>4</sub> I <sub>4</sub> topological insulator. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	22
406	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
405	Doped carbon nanotubes as a model system of biased graphene. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	6
404	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. <i>Langmuir</i> , <b>2017</b> , 33, 9043-9049	4	3
403	Electron Spin Dynamics of Two-Dimensional Layered Materials. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1604040	15.6	12
402	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
401	Charge-Stripe Order and Superconductivity in IrPtTe. <i>Scientific Reports</i> , <b>2017</b> , 7, 17157	4.9	6
400	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
399	Anisotropic Elliott-Lifshitz 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
398	Optically switched magnetism in photovoltaic perovskite CH <sub>3</sub> NH(Mn:Pb)I <sub>3</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 13406	17.4	85

397	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
396	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
395	Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres. <i>Nature Communications</i> , <b>2016</b> , 7, 12232	17.4	18
394	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. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 414, 140-147		29
393	A novel quasi-one-dimensional topological insulator in bismuth iodide Bi <sub>4</sub> I <sub>4</sub> . <i>Nature Materials</i> , <b>2016</b> , 15, 154-8	27	64
392	Single potassium niobate nano/microsized particles as local mechano-optical Brownian probes. <i>Nanoscale</i> , <b>2016</b> , 8, 6810-9	7.7	6
391	Ultrasensitive 1D field-effect phototransistors: CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire sensitized individual carbon nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 4888-93	7.7	47
390	Ising pairing in superconducting NbSe <sub>2</sub> atomic layers. <i>Nature Physics</i> , <b>2016</b> , 12, 139-143	16.2	534
389	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. <i>Toxicology Research</i> , <b>2016</b> , 5, 407-419	2.6	82
388	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
387	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
386	Single crystals of superconducting SmFeAsO <sub>x</sub> : Structure and properties. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
385	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
384	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
383	Role of sulfur in BaVS <sub>3</sub> probed by S K-edge absorption spectroscopy. <i>Physica B: Condensed Matter</i> , <b>2015</b> , 460, 191-195	2.8	1
382	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
381	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
380	Dendrimer-Stabilized Titanate Nanowire Dispersions as Potential Nanocarriers. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24919-24926	3.8	16

379	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
378	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
377	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
376	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
375	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
374	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
373	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
372	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
371	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
370	Two-dimensional Magnetism in $\text{[(BEDT-TTF)2Cu[N(CN)2]Cl}$ , 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
369	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
368	Tuning the aggregation of titanate nanowires in aqueous dispersions. <i>Langmuir</i> , <b>2015</b> , 31, 42-9	4	24
367	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
366	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
365	Enhanced low-temperature thermoelectrical properties of BiTeCl grown by topotactic method. <i>Scripta Materialia</i> , <b>2014</b> , 76, 69-72	5.6	27
364	Empirical Monod-Beuneu relation of spin relaxation revisited for elemental metals. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	1
363	Functionalized graphene grown by oxidative dehydrogenation chemistry. <i>Carbon</i> , <b>2014</b> , 71, 11-19	10.4	7
362	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

361	Spin lifetime of itinerant electrons in chemically synthesized graphene multi-layers. <i>Carbon</i> , <b>2014</b> , 74, 346-351	10.4	15
360	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
359	Nanopore integrated nanogaps for DNA detection. <i>Nano Letters</i> , <b>2014</b> , 14, 244-9	11.5	53
358	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
357	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
356	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
355	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
354	Electrical conduction of photo-patternable SU8/graphene composites. <i>Carbon</i> , <b>2014</b> , 80, 364-372	10.4	14
353	Contact angle at the leading edge controls cell protrusion rate. <i>Current Biology</i> , <b>2014</b> , 24, 1126-32	6.3	28
352	Photosynthetic reaction centre/carbon nanotube bundle composites. <i>Physica Status Solidi (B): Basic Research</i> , <b>2014</b> , 251, 2366-2371	1.3	3
351	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
350	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
349	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
348	Dispersion Characteristics and Aggregation in Titanate Nanowire Colloids. <i>ChemPlusChem</i> , <b>2014</b> , 79, 592-600	2.8	15
347	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
346	L <sub>4</sub> Fe <sub>2</sub> As <sub>2</sub> Te <sub>1-x</sub> O <sub>4-y</sub> F <sub>y</sub> (L=Pr,Sm,Gd): A layered oxypnictide superconductor with T <sub>c</sub> up to 45 K. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	7
345	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
344	Upconversion Particle as a Local Luminescent Brownian Probe: A Photonic Force Microscopy Study. <i>ACS Photonics</i> , <b>2014</b> , 1, 1251-1257	6.3	23



343	Bi <sub>2</sub> Te <sub>3</sub> Se <sub>x</sub> series studied by resistivity and thermopower. <i>Europhysics Letters</i> , <b>2014</b> , 107, 57008	1.6	25
342	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
341	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
340	Electrical conductivity of multi-walled carbon nanotubes-SU8 epoxy composites. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 223114	3.4	32
339	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
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60	Hopping in disordered conducting polymers. <i>Physical Review B</i> , <b>1994</b> , 50, 5196-5203	3.3	196
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58	7Ni-O chemical interaction and the transition temperature of Ni-doped Bi2Sr2Ca1Cu2O8. <i>Applied Physics Letters</i> , <b>1993</b> , 63, 562-564	3.4	
57	No far-infrared-spectroscopic gap in clean and dirty high-Tc superconductors. <i>Physical Review Letters</i> , <b>1993</b> , 70, 2629-2632	7.4	33
56	High-pressure cell for oxygen annealing at elevated temperatures. <i>Review of Scientific Instruments</i> , <b>1993</b> , 64, 2397-2398	1.7	8



55	Conduction electron spin resonance in Rb3C60. <i>Physical Review Letters</i> , <b>1993</b> , 71, 1091-1094	7.4	111
54	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
53	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. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1993</b> , 179, 140-144	2.3	26
52	Tunneling and infrared spectroscopy on high T <sub>c</sub> superconductors. <i>Journal of Physics and Chemistry of Solids</i> , <b>1993</b> , 54, 1359-1368	3.9	12
51	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. <i>Physical Review B</i> , <b>1992</b> , 45, 12640-12642	3.3	29
50	Out-of-plane conductivity of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> . <i>Physical Review B</i> , <b>1992</b> , 46, 6626-6629	3.3	46
49	Band structure and electronic transport properties of the superconductor NbO. <i>Physical Review B</i> , <b>1992</b> , 46, 14001-14004	3.3	28
48	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
47	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
46	Electron relaxation rate in high-T <sub>c</sub> superconductors below T <sub>c</sub> . <i>Physical Review B</i> , <b>1992</b> , 46, 8632-8634	3.3	6
45	Composition, structure, and electrical properties of 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> : A single-crystal study. <i>Physical Review B</i> , <b>1992</b> , 45, 13025-13034	3.3	76
44	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
43	High pressure study of 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>1991</b> , 161, 314-318	2.3	4
42	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
41	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
40	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
39	The thermoelectric properties of Rb <sub>0.3</sub> MoO <sub>3</sub> in an interacting two-fluid model. <i>Synthetic Metals</i> , <b>1991</b> , 43, 4025	3.6	
38	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

37	T2 behaviour in the low temperature penetration depth of oxygen depleted YBaCuO crystals. <i>Solid State Communications</i> , <b>1990</b> , 75, 737-741	1.6	11
36	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
35	Pressure effect on the ohmic and non linear transport of K <sub>0.3</sub> MoO <sub>3</sub> . <i>Solid State Communications</i> , <b>1990</b> , 73, 265-269	1.6	3
34	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
33	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
32	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
31	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
30	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
29	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
28	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
27	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
26	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
25	High-pressure study of a charge-density-wave compound (NbSe <sub>4</sub> ) <sub>10/3</sub> . <i>Physical Review B</i> , <b>1989</b> , 40, 8064-8067	3.3	5
24	Hall effect of the charge-density-wave system (NbSe <sub>4</sub> ) <sub>10/3</sub> . <i>Physical Review B</i> , <b>1989</b> , 40, 2885-2888	3.3	8
23	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
22	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
21	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
20	Hall effect measurements in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Solid State Communications</i> , <b>1988</b> , 65, 573-576	1.6	6

19	Resistivity and upper critical field anisotropy in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> single crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>1988</b> , 128, 283-285	2.3	13
18	Hall-effect of the high T <sub>c</sub> superconductors Y <sup>?</sup> Ba <sup>?</sup> Cu <sup>?</sup> O and Gd <sup>?</sup> Ba <sup>?</sup> Cu <sup>?</sup> O. <i>Solid State Communications</i> , <b>1988</b> , 65, 1355-1358	1.6	9
17	The effect of disorder on the metal-insulator and superconductor phase transitions in the $\delta$ and $\beta$ phases of (BEDT-TTF) <sub>2</sub> I <sub>3</sub> . <i>Solid State Communications</i> , <b>1988</b> , 65, 1359-1362	1.6	6
16	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
15	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
14	Correlation of the structural and transport properties of the high T <sub>c</sub> superconductors La-Sr-Cu-O and Y-Ba-Cu-O. <i>Physica Scripta</i> , <b>1988</b> , 37, 898-900	2.6	
13	Pressure dependence of the conduction-electron-spin-resonance linewidth of the alpha and beta phases of di-bis(ethylene-dithiolo)tetrathiafulvalene triiodide. <i>Physical Review B</i> , <b>1987</b> , 35, 2501-2504	3.3	20
12	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
11	Pressure effect on the magnetic susceptibility of low dimensional organic conductors $\beta$ , $\beta'$ (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
10	Thermal properties of (NbSe <sub>4</sub> ) <sub>3</sub> I. <i>Synthetic Metals</i> , <b>1987</b> , 19, 859-862	3.6	3
9	Structure and electronic properties of La-Sr-Cu oxide ceramics. <i>Solid State Communications</i> , <b>1987</b> , 63, 133-135	1.6	5
8	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
7	The effect of disorder on the conduction electron spin resonance linewidth of the $\delta$ and $\beta$ phases of (BEDT-TTF) <sub>2</sub> I <sub>3</sub> . <i>Solid State Communications</i> , <b>1987</b> , 64, 771-774	1.6	2
6	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
5	Nonlinear Hall effect in K <sub>0.3</sub> MoO <sub>3</sub> due to the sliding of charge-density waves. <i>Physical Review B</i> , <b>1986</b> , 34, 9047-9050	3.3	42
4	Magnetic susceptibility of alpha and beta phases of di. <i>Physical Review B</i> , <b>1986</b> , 34, 704-712	3.3	125
3	Magnetoresistance of the organic conducting tetramethyltetraselenafulvalene salts (TMTSF) <sub>2</sub> ClO <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
2	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

- 1 Defect concentration dependent phase transition in the organic quasi-one-dimensional conductor N-Propyl-Quinolinium (TCNQ)<sub>2</sub>. *Solid State Communications*, **1979**, 32, 845-849 1.6 14