

# László Forrá

## List of Publications by Year in descending order

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Version: 2024-02-01

488  
papers

28,292  
citations

6233

80  
h-index

6818

155  
g-index

491  
all docs

491  
docs citations

491  
times ranked

27710  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh nitrogen-vacancy center concentration in diamond. Carbon, 2022, 188, 393-400.	5.4	9
2	Second-harmonic generation in atomically thin $\text{TiC}$ and its possible origin from charge density wave transitions. Physical Review B, 2022, 105, .	2.1	1
3	Solar water purification with photocatalytic nanocomposite filter based on TiO <sub>2</sub> nanowires and carbon nanotubes. Npj Clean Water, 2022, 5, .	3.1	13
4	Role of intercalated cobalt in the electronic structure of $\text{CoV}_2$ . Physical Review B, 2022, 105, .	1.1	1
5	Fast Lead-Free Humidity Sensor Based on Hybrid Halide Perovskite. Crystals, 2022, 12, 547.	1.0	3
6	van der Waals $\text{I}^{\text{II}}$ Josephson Junctions. Nano Letters, 2022, 22, 5510-5515.	4.5	9
7	Kilogram-scale Crystallogensis of Halide Perovskites for Gamma-rays Dose Rate Measurements. Advanced Science, 2021, 8, 2001882.	5.6	21
8	High-Pressure Synthesis of Rare-Earth Borate-Nitrate Crystals for Second Harmonic Generation. Inorganic Chemistry, 2021, 60, 286-291.	1.9	6
9	Ultrasensitive 3D Aerosol-Jet-Printed Perovskite X-ray Photodetector. ACS Nano, 2021, 15, 4077-4084.	7.3	71
10	Acoustic-pressure-assisted Engineering of Aluminum Foams. Advanced Engineering Materials, 2021, 23, 2100306.	1.6	0
11	Two-fold symmetric superconductivity in few-layer NbSe <sub>2</sub> . Nature Physics, 2021, 17, 949-954.	6.5	65
12	Controlling the Structure of Carbon Deposit by Nitrogen Doping Catalytic Chemical Vapor Deposition Synthesis. Journal of Nanoscience and Nanotechnology, 2021, 21, 2413-2418.	0.9	2
13	Decoupling of lattice and orbital degrees of freedom in an iron-pnictide superconductor. Physical Review Research, 2021, 3, .	1.3	0
14	Fighting Health Hazards in Lead Halide Perovskite Optoelectronic Devices with Transparent Phosphate Salts. ACS Applied Materials & Interfaces, 2021, 13, 33995-34002.	4.0	30
15	Highly flexible CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> micro- and nanowires. Applied Physics Letters, 2021, 119, 081903.	1.5	0
16	Hybrid halide perovskite neutron detectors. Scientific Reports, 2021, 11, 17159.	1.6	10
17	Chromophore of an Enhanced Green Fluorescent Protein Can Play a Photoprotective Role Due to Photobleaching. International Journal of Molecular Sciences, 2021, 22, 8565.	1.8	4
18	Synthesis of murunskite single crystals: A bridge between cuprates and pnictides. Applied Materials Today, 2021, 24, 101096.	2.3	0

#	ARTICLE	IF	CITATIONS
19	Radiation detection and energy conversion in nuclear reactor environments by hybrid photovoltaic perovskites. <i>Energy Conversion and Management</i> , 2020, 205, 112423.	4.4	18
20	Thermal coarsening of individual titanate nanowires and their assemblies: Surface vs. bulk diffusion. <i>Ceramics International</i> , 2020, 46, 16321-16327.	2.3	5
21	Intermolecular Resonance Correlates Electron Pairs Down a Supramolecular Chain: Antiferromagnetism in K-Doped p-Terphenyl. <i>Journal of the American Chemical Society</i> , 2020, 142, 20624-20630.	6.6	3
22	Photocatalytic Nanowires-Based Air Filter: Towards Reusable Protective Masks. <i>Advanced Functional Materials</i> , 2020, 30, 2004615.	7.8	65
23	Tuning Conductivity and Spin Dynamics in Few-Layer Graphene via In Situ Potassium Exposure. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000368.	0.7	1
24	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> , 2020, 117, 29555-29560.	3.3	5
25	Patterns and driving forces of dimensionality-dependent charge density waves in 2H-type transition metal dichalcogenides. <i>Nature Communications</i> , 2020, 11, 2406.	5.8	54
26	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. <i>ACS Nano</i> , 2020, 14, 7492-7501.	7.3	8
27	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> , 2020, 4, .	3.9	34
28	Tuning ferromagnetism at room temperature by visible light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6417-6423.	3.3	15
29	Light-induced charge transfer at the CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /TiO <sub>2</sub> interface—a low-temperature photo-electron paramagnetic resonance assay. <i>JPhys Photonics</i> , 2020, 2, 014007.	2.2	2
30	Mahan excitons in room-temperature methylammonium lead bromide perovskites. <i>Nature Communications</i> , 2020, 11, 850.	5.8	31
31	Infrared and 2-Dimensional Correlation Spectroscopy Study of the Effect of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> Photovoltaic Perovskites on Eukaryotic Cells. <i>Molecules</i> , 2020, 25, 336.	1.7	6
32	Mechanical response of layered titanate nanowires. <i>Ceramics International</i> , 2020, 46, 17729-17734.	2.3	5
33	Filamentous and step-like behavior of gelling coarse fibrin networks revealed by high-frequency microrheology. <i>Soft Matter</i> , 2020, 16, 4234-4242.	1.2	5
34	Giant anomalous Hall effect in quasi-two-dimensional layered antiferromagnet $\text{Co}_2\text{V}_2\text{O}_7$ . <i>Physical Review Research</i> , 2020, 2, .	1.0	1
35	Persistent antiferromagnetic order in heavily overdoped Ca <sub>1-x</sub> La <sub>x</sub> FeAs <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485705.	0.7	2
36	Improved Alkali Intercalation of Carbonaceous Materials in Ammonia Solution. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900324.	0.7	4

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37	Tailoring thermal conduction in anatase TiO <sub>2</sub> . Communications Physics, 2019, 2, .	2.0	18
38	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. ACS Applied Electronic Materials, 2019, 1, 2007-2017.	2.0	11
39	Electron Microscopy Investigation of Coated Multiwall Carbon Nanotubes Prepared by Reactive Ball Milling. Journal of Nanoscience and Nanotechnology, 2019, 19, 502-508.	0.9	1
40	Pressure-induced transformation of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : the role of the noble-gas pressure transmitting media. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 361-370.	0.5	4
41	Effect of Thermal Cycling on the Structural Evolution of Methylammonium Lead Iodide Monitored around the Phase Transition Temperatures. Solar Rrl, 2019, 3, 1900044.	3.1	7
42	The influence of the incommensurately modulated structure on the physical properties of Fe <sub>1.35</sub> Ge. Journal of Alloys and Compounds, 2019, 794, 108-113.	2.8	3
43	Electrical transport in onion-like carbon@PMMA nanocomposites. Applied Physics Letters, 2019, 114, .	1.5	5
44	Light-Emitting Electrochemical Cells of Single Crystal Hybrid Halide Perovskite with Vertically Aligned Carbon Nanotubes Contacts. ACS Photonics, 2019, 6, 967-975.	3.2	49
45	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. Ceramics International, 2019, 45, 10013-10020.	2.3	5
46	Characterizing the maximum number of layers in chemically exfoliated graphene. Scientific Reports, 2019, 9, 19480.	1.6	14
47	Evidence of anomalous switching of the in-plane magnetic easy axis with temperature in Fe <sub>3</sub> O <sub>4</sub> film on SrTiO <sub>3</sub> :Nb by v-MOKE and ferromagnetic resonance. Nanoscale, 2019, 11, 19870-19876.	2.8	3
48	Morphology and Photoluminescence of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Deposits on Nonplanar, Strongly Curved Substrates. ACS Photonics, 2018, 5, 1476-1485.	3.2	16
49	Photocatalytic hydrogen generation from a visible-light responsive metal-organic framework system: the impact of nickel phosphide nanoparticles. Journal of Materials Chemistry A, 2018, 6, 2476-2481.	5.2	94
50	Magnetic excitations and amplitude fluctuations in insulating cuprates. Physical Review B, 2018, 97, .	1.1	10
51	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe <sub>2</sub> . Nature Materials, 2018, 17, 504-508.	13.3	98
52	Mechanical response of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires. Applied Physics Letters, 2018, 112, .	1.5	15
53	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe <sub>2</sub> . Nano Letters, 2018, 18, 2623-2629.	4.5	70
54	Growth of CNT Forests on Titanium Based Layers, Detailed Study of Catalysts. Frontiers in Chemistry, 2018, 6, 593.	1.8	9

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55	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> . CrystEngComm, 2018, 20, 3543-3549.	1.3	3
56	Sr <sub>2</sub> Pt <sup>8+</sup> As: a layered incommensurately modulated metal with saturated resistivity. IUCr, 2018, 5, 470-477.	1.0	5
57	Structure and photocatalytic properties of sintered TiO <sub>2</sub> nanotube arrays. Science of Sintering, 2018, 50, 39-50.	0.5	8
58	Photodiode Response in a CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> Heterojunction. ACS Applied Materials & Interfaces, 2017, 9, 10198-10202.	4.0	10
59	Competitive ion-exchange of manganese and gadolinium in titanate nanotubes. Catalysis Today, 2017, 284, 146-152.	2.2	9
60	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.	1.5	31
61	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, .	1.5	38
62	Role of the particle size polydispersity in the electrical conductivity of carbon nanotube-epoxy composites. Scientific Reports, 2017, 7, 12553.	1.6	24
63	Optical detection of charge dynamics in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /carbon nanotube composites. Nanoscale, 2017, 9, 17781-17787.	2.8	7
64	Influence of Protamine Functionalization on the Colloidal Stability of 1D and 2D Titanium Oxide Nanostructures. Langmuir, 2017, 33, 9750-9758.	1.6	12
65	square lattice antiferromagnetism in the orbitally quenched insulator MoOPO <sub>4</sub> . Physical Review B, 2017, 96, .	1.1	10
66	Clean, cleaved surfaces of the photovoltaic perovskite. Scientific Reports, 2017, 7, 695.	1.6	27
67	Pressure effect and superconductivity in the topological insulator. Physical Review B, 2017, 95, .	1.1	25
68	PFMCal : Photonic force microscopy calibration extended for its application in high-frequency microrheology. Computer Physics Communications, 2017, 220, 507-508.	3.0	1
69	Doped carbon nanotubes as a model system of biased graphene. Physical Review B, 2017, 96, .	1.1	11
70	Superior Water Sheeting Effect on Photocatalytic Titania Nanowire Coated Glass. Langmuir, 2017, 33, 9043-9049.	1.6	3
71	Electron Spin Dynamics of Two-Dimensional Layered Materials. Advanced Functional Materials, 2017, 27, 1604040.	7.8	13
72	Cyan titania nanowires: Spectroscopic study of the origin of the self-doping enhanced photocatalytic activity. Catalysis Today, 2017, 284, 52-58.	2.2	10

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73	Charge-Stripe Order and Superconductivity in Ir <sub>1-x</sub> PtxTe <sub>2</sub> . Scientific Reports, 2017, 7, 17157.	1.6	8
74	Thermal fluctuation analysis of singly optically trapped spheres in hollow photonic crystal cavities. Applied Physics Letters, 2016, 109, .	1.5	7
75	Interplay between optical, viscous, and elastic forces on an optically trapped Brownian particle immersed in a viscoelastic fluid. Applied Physics Letters, 2016, 109, 143702.	1.5	6
76	Single crystals of superconducting SmFeAsO <sub>Hx</sub> : Structure and properties. Physical Review B, 2016, 94, .	1.1	4
77	Rapid thickness reading of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire thin films from color maps. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2017-2023.	0.8	5
78	Gate Tuning of Electronic Phase Transitions in Two-Dimensional $\text{NbSe}_2$ Physical Review Letters, 2016, 117, 106801.	2.9	151
79	Anisotropic Elliott–Yafet theory and application to KC <sub>8</sub> potassium intercalated graphite. Physica Status Solidi (B): Basic Research, 2016, 253, 2505-2508.	0.7	1
80	Optically switched magnetism in photovoltaic perovskite CH <sub>3</sub> NH <sub>3</sub> (Mn:Pb)I <sub>3</sub> . Nature Communications, 2016, 7, 13406.	5.8	106
81	CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> : precise structural consequences of water absorption at ambient conditions. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2016, 72, 716-722.	0.5	37
82	Possibility of an unconventional spin state of Ir <sub>4</sub> in Ba <sub>2</sub> IrO <sub>4</sub> single crystal. Physical Review B, 2016, 94, .	1.1	0
83	Controlled growth of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowires in arrays of open nanofluidic channels. Scientific Reports, 2016, 6, 19834.	1.6	81
84	Room temperature manipulation of long lifetime spins in metallic-like carbon nanospheres. Nature Communications, 2016, 7, 12232.	5.8	28
85	Frustration-induced one-dimensionality in the isosceles triangular antiferromagnetic lattice of $\text{Ir}^3$ (EDT-TTF- $\text{Tj}$ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 257 Td) Physical Review B, 2016, 94, .		
86	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.	4.8	31
87	A novel quasi-one-dimensional topological insulator in bismuth iodide $\text{Bi}_2\text{I}_4$ . Nature Materials, 2016, 15, 154-158.	13.3	90
88	Single potassium niobate nano/microsized particles as local mechano-optical Brownian probes. Nanoscale, 2016, 8, 6810-6819.	2.8	7
89	Ultrasensitive 1D field-effect phototransistors: CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> nanowire sensitized individual carbon nanotubes. Nanoscale, 2016, 8, 4888-4893.	2.8	54
90	Ising pairing in superconducting NbSe <sub>2</sub> atomic layers. Nature Physics, 2016, 12, 139-143.	6.5	806

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91	Health hazards of methylammonium lead iodide based perovskites: cytotoxicity studies. <i>Toxicology Research</i> , 2016, 5, 407-419.	0.9	113
92	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) Tj ETQq0 0 0xgBT /Overlock 10 TF		
93	Equilibrium concentration of singlet oxygen in photoreaction of reaction center/carbon nanotube bionanocomposites. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2479-2484.	0.7	3
94	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> , 2015, 53, 1507-1518.	2.4	20
95	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2438-2443.	0.7	5
96	Generating photocurrent by nanocomposites based on photosynthetic reaction centre protein. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2614-2619.	0.7	9
97	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> , 2015, 11, 4824-4828.	5.2	151
98	Two-dimensional Magnetism in $\text{I}^{\ominus}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ , a Spin-1/2 Heisenberg Antiferromagnet with Dzyaloshinskii-Moriya Interaction. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 124704.	0.7	8
99	Strong Interplay between the Electron Spin Lifetime in Chemically Synthesized Graphene Multilayers and Surface-Bound Oxygen. <i>Chemistry - A European Journal</i> , 2015, 21, 770-777.	1.7	11
100	Tuning the Aggregation of Titanate Nanowires in Aqueous Dispersions. <i>Langmuir</i> , 2015, 31, 42-49.	1.6	25
101	The Role of Transport Agents in MoS <sub>2</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3918-3922.	1.5	44
102	Strongly enhanced charge-density-wave order in monolayer NbSe <sub>2</sub> . <i>Nature Nanotechnology</i> , 2015, 10, 765-769.	15.6	643
103	Role of sulfur in BaVS <sub>3</sub> probed by S K-edge absorption spectroscopy. <i>Physica B: Condensed Matter</i> , 2015, 460, 191-195.	1.3	1
104	Crystal Structure, Transport, and Magnetic Properties of an Ir <sup>6+</sup> Compound Ba <sub>8</sub> Al <sub>2</sub> IrO <sub>14</sub> . <i>Inorganic Chemistry</i> , 2015, 54, 4371-4376.	1.9	8
105	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> , 2015, 119, 11506-11510.	1.5	145
106	Dendrimer-Stabilized Titanate Nanowire Dispersions as Potential Nanocarriers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24919-24926.	1.5	17
107	Methylammonium Lead Iodide for Efficient X-ray Energy Conversion. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25204-25208.	1.5	61
108	Calibration of optical tweezers with non-spherical probes via high-resolution detection of Brownian motion. <i>Computer Physics Communications</i> , 2015, 196, 599-610.	3.0	5



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109	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> , 2015, 51, 39-48.	1.8	141
110	The ethanol sensors made from $\text{Fe}_2\text{O}_3$ decorated with multiwall carbon nanotubes. <i>Advances in Nano Research</i> , 2015, 3, 1-11.	0.9	13
111	Multi-Functional Magnetic Photoluminescent Photocatalytic Polystyrene-Based Micro- and Nano-Fibers Obtained by Electrospinning. <i>Fibers</i> , 2014, 2, 75-91.	1.8	7
112	The effect of titania precursor on the morphology of prepared $\text{TiO}_2$ /MWCNT nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2384-2388.	0.7	5
113	Direct and selective synthesis of a wide range of carbon nanomaterials by CVD at CMOS compatible temperatures. , 2014, , .		0
114	Dispersion Characteristics and Aggregation in Titanate Nanowire Colloids. <i>ChemPlusChem</i> , 2014, 79, 592-600.	1.3	15
115	Chemical challenges during the synthesis of MWCNT-based inorganic nanocomposite materials. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2360-2365.	0.7	6
116	$\text{LaFeAsTe}$	1.1	8
117	Accounting for inertia effects to access the high-frequency microrheology of viscoelastic fluids. <i>Physical Review E</i> , 2014, 90, 060301.	0.8	13
118	Upconversion Particle as a Local Luminescent Brownian Probe: A Photonic Force Microscopy Study. <i>ACS Photonics</i> , 2014, 1, 1251-1257.	3.2	27
119	$\text{Bi}_2\text{Te}_3\text{Se}_x$ series studied by resistivity and thermopower. <i>Europhysics Letters</i> , 2014, 107, 57008.	0.7	28
120	Enhanced low-temperature thermoelectrical properties of $\text{BiTeCl}$ grown by topotactic method. <i>Scripta Materialia</i> , 2014, 76, 69-72.	2.6	30
121	Empirical Monod-Beuneu relation of spin relaxation revisited for elemental metals. <i>Physical Review B</i> , 2014, 89, .	1.1	2
122	Functionalized graphene grown by oxidative dehydrogenation chemistry. <i>Carbon</i> , 2014, 71, 11-19.	5.4	7
123	Loading and release of internally self-assembled emulsions embedded in a magnetic hydrogel. <i>Applied Physics Letters</i> , 2014, 104, 043701.	1.5	10
124	Spin lifetime of itinerant electrons in chemically synthesized graphene multi-layers. <i>Carbon</i> , 2014, 74, 346-351.	5.4	15
125	Probing titanate nanowire surface acidity through methylene blue adsorption in colloidal suspension and on thin films. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 190-197.	5.0	27
126	Nanopore Integrated Nanogaps for DNA Detection. <i>Nano Letters</i> , 2014, 14, 244-249.	4.5	63



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127	Nanowires of Methylammonium Lead Iodide (CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> ) Prepared by Low Temperature Solution-Mediated Crystallization. Nano Letters, 2014, 14, 6761-6766.	4.5	257
128	High-Performance Multipanel Biosensors Based on a Selective Integration of Nanographite Petals. Nano Letters, 2014, 14, 3180-3184.	4.5	17
129	Efficient voltammetric discrimination of free bilirubin from uric acid and ascorbic acid by a CVD nanographite-based microelectrode. Talanta, 2014, 130, 423-426.	2.9	22
130	Ultra-Low Thermal Conductivity in Organic-Inorganic Hybrid Perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . Journal of Physical Chemistry Letters, 2014, 5, 2488-2492.	2.1	416
131	Electrical conduction of photo-patternable SU8-graphene composites. Carbon, 2014, 80, 364-372.	5.4	16
132	Contact Angle at the Leading Edge Controls Cell Protrusion Rate. Current Biology, 2014, 24, 1126-1132.	1.8	33
133	Photosynthetic reaction centre/carbon nanotube bundle composites. Physica Status Solidi (B): Basic Research, 2014, 251, 2366-2371.	0.7	4
134	Electron spin lifetime in chemically synthesized graphene sheets. Physica Status Solidi (B): Basic Research, 2014, 251, 2521-2524.	0.7	3
135	Synthesis, Comparative Characterization and Photocatalytic Application of SnO <sub>2</sub> /MWCNT Nanocomposite Materials. Journal of Coating Science and Technology, 2014, 1, 137-150.	0.3	5
136	Evaluation of the toxicity of graphene derivatives on cells of the lung luminal surface. Carbon, 2013, 64, 45-60.	5.4	94
137	Electrical conductivity of multi-walled carbon nanotubes-SU8 epoxy composites. Applied Physics Letters, 2013, 102, .	1.5	39
138	Gas sensors made of multiwall carbon nanotubes modified by tin dioxide. Journal of Contemporary Physics, 2013, 48, 176-183.	0.1	5
139	Carbon nanotubes quench singlet oxygen generated by photosynthetic reaction centers. Physica Status Solidi (B): Basic Research, 2013, 250, 2539-2543.	0.7	11
140	Synthesis of Homogeneous Manganese-Doped Titanium Oxide Nanotubes from Titanate Precursors. Journal of Physical Chemistry C, 2013, 117, 697-702.	1.5	36
141	Direct growth of nanotubes and graphene nanoflowers on electrochemical platinum electrodes. Nanoscale, 2013, 5, 12448.	2.8	10
142	Reinforcement of CVD grown multi-walled carbon nanotubes by high temperature annealing. AIP Advances, 2013, 3, .	0.6	22
143	Manifestation of the spin textures in the thermopower of MnSi. Europhysics Letters, 2013, 103, 57015.	0.7	5
144	Sensing hydrogen peroxide by carbon nanotube/horseradish peroxidase bio-nanocomposite. Physica Status Solidi (B): Basic Research, 2013, 250, 2559-2563.	0.7	14

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145	Study of the surface-ruthenated SnO <sub>2</sub> /MWCNTs nanocomposite thick-film gas sensors. Sensors and Actuators B: Chemical, 2013, 177, 308-315.	4.0	44
146	Electrical property measurements of Cr-N codoped TiO <sub>2</sub> epitaxial thin films grown by pulsed laser deposition. Applied Physics Letters, 2013, 102, .	1.5	11
147	Preparation and characterization of multiwalled carbon nanotube/In <sub>2</sub> O <sub>3</sub> composites. Carbon, 2013, 60, 266-272.	5.4	23
148	Tunable Polaronic Conduction in Anatase $\text{TiO}_2$ . Physical Review Letters, 2013, 110, 196403.	2.9	237
149	Highly efficient bacteria inactivation and phenol degradation by visible light irradiated iodine doped TiO <sub>2</sub> . Applied Catalysis B: Environmental, 2013, 129, 194-201.	10.8	43
150	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. Applied Catalysis B: Environmental, 2013, 129, 566-574.	10.8	62
151	Observation of conduction electron spin resonance in boron-doped diamond. Physical Review B, 2013, 87, .	1.1	13
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463	Hall effect of the charge-density-wave system (NbSe <sub>4</sub> ) <sub>10/3</sub> I. Physical Review B, 1989, 40, 2885-2888.	1.1	8
464	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. Europhysics Letters, 1989, 10, 371-374.	0.7	18
465	Hall effect and thermoelectric power of an YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.8</sub> single crystal. Solid State Communications, 1989, 69, 1097-1101.	0.9	62
466	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. Solid State Communications, 1989, 71, 1099-1103.	0.9	20
467	Hall effect measurements in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Solid State Communications, 1988, 65, 573-576.	0.9	7
468	Resistivity and upper critical field anisotropy in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 283-285.	0.9	13

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469	Hall-effect of the high T <sub>c</sub> superconductors Y <sub>1-x</sub> Ba <sub>x</sub> Cu <sub>1-y</sub> O and Gd <sub>1-x</sub> Ba <sub>x</sub> Cu <sub>1-y</sub> O. Solid State Communications, 1988, 65, 1355-1358.	0.9	9
470	The effect of disorder on the metal-insulator and superconductor phase transitions in the $\hat{1}\pm$ and $\hat{1}^2$ phases of (BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Solid State Communications, 1988, 65, 1359-1362.	0.9	6
471	Magnetoresistance study of the effect of disorder on the organic superconductor bis-tetramethyltetraselenafulvalenium perchlorate. Physical Review B, 1988, 38, 11177-11183.	1.1	15
472	Kosterlitz-Thouless transition of fluxless solitons in superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystals. Physical Review B, 1988, 38, 2847-2850.	1.1	161
473	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.	1.2	0
474	Pressure dependence of the conduction-electron-spin-resonance linewidth of the $\hat{1}\pm$ and $\hat{1}^2$ phases of di-bis(ethylene-diothiolo)tetrathiafulvalene triiodide. Physical Review B, 1987, 35, 2501-2504.	1.1	20
475	Defect-concentration dependence of the charge-density-wave transport in tetrathiafulvalene tetracyanoquinodimethane. Physical Review B, 1987, 35, 5884-5886.	1.1	7
476	Pressure effect on the magnetic susceptibility of low dimensional organic conductors $\hat{1}^2$ - (BEDT-TTF) <sub>2</sub> I <sub>3</sub>		

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487	Controlled growth of carbon nanotubes on microstructured surfaces. , 0, , .		0
488	Reversible wavelength-dependent photo-bleaching in free-standing polycrystalline films of MAPbI <sub>3</sub> monitored under the intense visible light flux. , 0, , .		0