

# Kristof Szot

## 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.

128 papers	9,523 citations	31 h-index	97 g-index
137 ext. papers	10,294 ext. citations	3.5 avg, IF	6.01 L-index

#	Paper	IF	Citations
128	Tuning the electronic properties of a clean TiO <sub>2</sub> (1 1 0) surface via repeated sputtering and annealing: A KPFM and LC-AFM study. <i>Applied Surface Science</i> , <b>2022</b> , 571, 151303	6.7	0
127	Is Reduced Strontium Titanate a Semiconductor or a Metal?. <i>Crystals</i> , <b>2021</b> , 11, 744	2.3	3
126	A physical method for investigating defect chemistry in solid metal oxides. <i>APL Materials</i> , <b>2021</b> , 9, 011106	3.7	2
125	Unconventional Co-Existence of Insulating Nano-Regions and Conducting Filaments in Reduced SrTiO <sub>3</sub> : Mode Softening, Local Piezoelectricity, and Metallicity. <i>Crystals</i> , <b>2020</b> , 10, 437	2.3	6
124	Inhomogeneity and Segregation Effect in the Surface Layer of Fe-Doped SrTiO <sub>3</sub> Single Crystals. <i>Crystals</i> , <b>2020</b> , 10, 33	2.3	7
123	Localized electrochemical redox reactions in yttria-stabilized zirconia single crystals. <i>JPhys Energy</i> , <b>2020</b> , 2, 034008	4.9	2
122	Mapping the conducting channels formed along extended defects in SrTiO by means of scanning near-field optical microscopy. <i>Scientific Reports</i> , <b>2020</b> , 10, 17763	4.9	5
121	The Electronic Properties of Extended Defects in SrTiO <sub>3</sub> : A Case Study of a Real Bicrystal Boundary. <i>Crystals</i> , <b>2020</b> , 10, 665	2.3	6
120	Self-reduction of the native TiO (110) surface during cooling after thermal annealing - in-operando investigations. <i>Scientific Reports</i> , <b>2019</b> , 9, 12563	4.9	12
119	In-situ four-tip STM investigation of the transition from 2D to 3D charge transport in SrTiO. <i>Scientific Reports</i> , <b>2019</b> , 9, 2476	4.9	8
118	Current channeling along extended defects during electroreduction of SrTiO. <i>Scientific Reports</i> , <b>2019</b> , 9, 2502	4.9	14
117	Conductive AFM for Nanoscale Analysis of High-k Dielectric Metal Oxides. <i>Nanoscience and Technology</i> , <b>2019</b> , 29-70	0.6	0
116	Kelvin probe force microscopy work function characterization of transition metal oxide crystals under ongoing reduction and oxidation. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 1596-1607	3	8
115	Electrically controlled transformation of memristive titanates into mesoporous titanium oxides via incongruent sublimation. <i>Scientific Reports</i> , <b>2018</b> , 8, 3774	4.9	8
114	Impact of Fe doping on the electronic structure of SrTiO thin films determined by resonant photoemission. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 154702	3.9	9
113	In situ study of redox processes on the surface of SrTiO <sub>3</sub> single crystals. <i>Applied Surface Science</i> , <b>2018</b> , 432, 46-52	6.7	24
112	Influence of Dislocations in Transition Metal Oxides on Selected Physical and Chemical Properties. <i>Crystals</i> , <b>2018</b> , 8, 241	2.3	31

111	A bottom-up process of self-formation of highly conductive titanium oxide (TiO) nanowires on reduced SrTiO. <i>Nanoscale</i> , <b>2018</b> , 11, 89-97	7.7	9
110	Local surface conductivity of transition metal oxides mapped with true atomic resolution. <i>Nanoscale</i> , <b>2018</b> , 10, 11498-11505	7.7	14
109	Electrical nanopatterning of TiO <sub>2</sub> single crystal surfaces in situ via local resistance and potential switching. <i>APL Materials</i> , <b>2018</b> , 6, 066105	5.7	5
108	Stability and Decomposition of Perovskite-Type Titanates upon High-Temperature Reduction. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700222	2.5	11
107	Tuning the surface structure and conductivity of niobium-doped rutile TiO single crystals via thermal reduction. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 30339-30350	3.6	9
106	SrTiO <sub>3</sub> surface modification upon low energy Ar <sup>+</sup> bombardment studied by XPS. <i>Vacuum</i> , <b>2016</b> , 131, 14-21	3.7	12
105	Features of surface layer of LiNbO <sub>3</sub> as-received single crystals: Studied in situ on treatment samples modified by elevated temperature. <i>Solid State Ionics</i> , <b>2016</b> , 290, 31-39	3.3	5
104	Hafnium carbide formation in oxygen deficient hafnium oxide thin films. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 252903	3.4	4
103	The role of water in resistive switching in graphene oxide. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 263104	3.4	19
102	Insulator-metal transition associated with resistive switching in real SrTiO <sub>3</sub> and TiO <sub>2</sub> crystals <b>2015</b> ,		3
101	Resistive Switching of a Quasi-Homogeneous Distribution of Filaments Generated at Heat-Treated TiO <sub>2</sub> (110)-Surfaces. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6382-6389	15.6	21
100	Influence of Proton Exchange on LiNbO <sub>3</sub> Crystals Structure. <i>Ferroelectrics</i> , <b>2014</b> , 466, 1-7	0.6	2
99	Impact of composition and crystallization behavior of atomic layer deposited strontium titanate films on the resistive switching of Pt/STO/TiN devices. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 064503	2.5	10
98	Thermal Treatment Effects in PbTiO <sub>3</sub> Crystals Studied by XPS and Electric Conductivity Tests. <i>Ferroelectrics</i> , <b>2014</b> , 466, 51-62	0.6	3
97	Nature of the Resistive Switching Phenomena in TiO <sub>2</sub> and SrTiO <sub>3</sub> . <i>Solid State Physics</i> , <b>2014</b> , 353-559	2	46
96	Fast mapping of inhomogeneities in the popular metallic perovskite Nb:SrTiO <sub>3</sub> by confocal Raman microscopy. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2014</b> , 08, 781-784	2.5	5
95	Low temperature reduction in TaD and NbD thin films. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 135301	3	12
94	Quasi-two-dimensional conducting layer on TiO <sub>2</sub> (110) introduced by sputtering as a template for resistive switching. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 131604	3.4	26

93	Thermal hysteresis of local instabilities in paraelectric phase of $\text{PbZr}_{0.96}\text{Sn}_{0.04}\text{O}_3$ single crystals. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 187209	2.5	4
92	Electro-degradation and resistive switching of Fe-doped $\text{SrTiO}_3$ single crystal. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 083713	2.5	41
91	$\text{BiFeO}_3$ single crystal as resistive switching element for application in microelectronic devices. <i>Phase Transitions</i> , <b>2013</b> , 86, 284-289	1.3	5
90	Detection of $\text{Fe}^{2+}$ valence states in Fe doped $\text{SrTiO}_3$ epitaxial thin films grown by pulsed laser deposition. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8311-7	3.6	29
89	Cluster-like resistive switching of $\text{SrTiO}_3\text{:Nb}$ surface layers. <i>New Journal of Physics</i> , <b>2013</b> , 15, 103017	2.9	40
88	Inhomogeneity of donor doping in $\text{SrTiO}_3$ substrates studied by fluorescence-lifetime imaging microscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 162904	3.4	15
87	Insulator-to-metal transition of $\text{SrTiO}_3\text{:Nb}$ single crystal surfaces induced by $\text{Ar}^+$ bombardment. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 101603	3.4	21
86	Structural stratification of $\text{Sr}_{1-x}\text{Ca}_x\text{RuO}_3$ thin films: Influence of aging process. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 239-254	1.6	
85	Effect of resistive switching and electrically driven insulator-conductor transition in $\text{PbZrO}_3$ single crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2013</b> , 210, 507-512	1.6	7
84	Resistive switching in $\text{Sr}_{1-0.05}\text{La}_{0.05}\text{TiO}_3$ <b>2012</b> ,		3
83	Polarity in nanoscale in $\text{PbZr}_x\text{Sn}_{1-x}\text{O}_3$ single crystals <b>2012</b> ,		1
82	Precursor dynamics to the structural instability in $\text{SrTiO}_3$ . <i>Phase Transitions</i> , <b>2012</b> , 85, 939-948	1.3	14
81	Metal-insulator transition induced by non-stoichiometry of surface layer and molecular reactions on single crystal $\text{KTaO}_3$ . <i>Surface Science</i> , <b>2012</b> , 606, 1252-1262	1.8	11
80	$\text{TiO}_2$ --a prototypical memristive material. <i>Nanotechnology</i> , <b>2011</b> , 22, 254001	3.4	237
79	Spectroscopic study of the electric field induced valence change of Fe-defect centers in $\text{SrTiO}_3$ . <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 20779-86	3.6	43
78	Electronic structure of epitaxial Fe-doped $\text{SrTiO}_3$ thin films. <i>Phase Transitions</i> , <b>2011</b> , 84, 489-500	1.3	12
77	The thermal stability of Pt/Ir coated AFM tips for resistive switching measurements. <i>Applied Surface Science</i> , <b>2011</b> , 257, 7627-7632	6.7	11
76	Local conductivity of epitaxial Fe-doped $\text{SrTiO}_3$ thin films. <i>Phase Transitions</i> , <b>2011</b> , 84, 483-488	1.3	13

75	Temperature evolution of the crystal structure in SrTiO <sub>3</sub> doped by W <sup>6+</sup> , Ni <sup>3+</sup> , Fe <sup>3+</sup> and La <sup>3+</sup> . <i>Phase Transitions</i> , <b>2011</b> , 84, 1015-1027	1.3	2
74	The influence of copper top electrodes on the resistive switching effect in TiO <sub>2</sub> thin films studied by conductive atomic force microscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 013109	3.4	64
73	Impact of the electroforming process on the device stability of epitaxial Fe-doped SrTiO <sub>3</sub> resistive switching cells. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 114507	2.5	62
72	Redox-Based Resistive Switching Memories [Nanoionic Mechanisms, Prospects, and Challenges. <i>Advanced Materials</i> , <b>2009</b> , 21, 2632-2663	24	3799
71	Dielectric properties and phase transition in SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> /SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> solid solution. <i>Ceramics International</i> , <b>2009</b> , 35, 2351-2355	5.1	18
70	Self-neutralization via electroreduction in photoemission from SrTiO <sub>3</sub> single crystals. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 97, 449-454	2.6	8
69	XPS studies of perovskites surface instability caused by Ar <sup>+</sup> ion and electron bombardment and metal deposition. <i>Vacuum</i> , <b>2009</b> , 83, S69-S72	3.7	24
68	Insulator/semiconductor/metallic state transition induced by electric fields in Mn-doped NaNbO <sub>3</sub> . <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2009</b> , 3, 127-129	2.5	9
67	Nano-scale chemical and structural segregation induced in surface layer of NaNbO <sub>3</sub> crystals with thermal treatment at oxidising conditions studied by XPS, AFM, XRD, and electric properties tests. <i>Phase Transitions</i> , <b>2009</b> , 82, 662-682	1.3	20
66	Realization of regular arrays of nanoscale resistive switching blocks in thin films of Nb-doped SrTiO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023110	3.4	53
65	Non-Linear Properties of BaTiO <sub>3</sub> above T <sub>C</sub> . <i>Ferroelectrics</i> , <b>2008</b> , 375, 165-169	0.6	17
64	Birefringence above T <sub>C</sub> in single crystals of barium titanate. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 142202	1.8	52
63	Method to distinguish ferroelectric from nonferroelectric origin in case of resistive switching in ferroelectric capacitors. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 062907	3.4	83
62	Insulator/metal transition in Mn-doped NaNbO <sub>3</sub> induced by chemical and thermal treatment. <i>Phase Transitions</i> , <b>2008</b> , 81, 977-986	1.3	19
61	Controlled local filament growth and dissolution in Ag <sub>2</sub> TeSe. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2008</b> , 2, 129-131	2.5	27
60	Nanoscale resistive switching in SrTiO <sub>3</sub> thin films. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2007</b> , 1, R86-R88	2.5	131
59	Photoemission study of SrTiO <sub>3</sub> surface layers instability upon metal deposition. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 89, 451-455	2.6	23
58	Surface layer of SrRuO <sub>3</sub> epitaxial thin films under oxidizing and reducing conditions. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 023701	2.5	20

57	Electrical Characterization of Perovskite Nanostructures by SPM <b>2007</b> , 746-775		3
56	Electrostrictive and Piezoelectric Effect in BaTiO <sub>3</sub> and PbZrO <sub>3</sub> . <i>Ferroelectrics</i> , <b>2006</b> , 336, 61-67	0.6	45
55	Sample-tip interaction of piezoresponse force microscopy in ferroelectric nanostructures. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2006</b> , 53, 2253-60	3.2	18
54	Influence of adsorbates on the piezoresponse of KNbO <sub>3</sub> . <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2006</b> , 203, 616-621	1.6	10
53	Switching the electrical resistance of individual dislocations in single-crystalline SrTiO <sub>3</sub> . <i>Nature Materials</i> , <b>2006</b> , 5, 312-20	27	1406
52	Resistive switching mechanism of TiO <sub>2</sub> thin films grown by atomic-layer deposition. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 033715	2.5	938
51	Comparison of in-plane and out-of-plane optical amplification in AFM measurements. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 046101	1.7	33
50	Contact mode potentiometric measurements with an atomic force microscope on high resistive perovskite thin films. <i>Journal of the European Ceramic Society</i> , <b>2005</b> , 25, 2353-2356	6	4
49	Ionic conduction in zirconia films of nanometer thickness. <i>Acta Materialia</i> , <b>2005</b> , 53, 5161-5166	8.4	96
48	SrZrO <sub>3</sub> Nanopatterning Using Self-Organized SrRuO <sub>3</sub> as a Template. <i>Advanced Materials</i> , <b>2005</b> , 17, 281-284	2.4	15
47	Extrinsic Contributions to Piezoresponse Force Microscopy. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 902, 1		
46	Analysis of shape effects on the piezoresponse in ferroelectric nanograins with and without adsorbates. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 082901	3.4	37
45	Influence of grain-boundary defects on electric transport in CeRhSn with a non-Fermi-liquid ground state. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	5
44	Contributions to in-plane piezoresponse on axially symmetrical samples. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 106108	1.7	10
43	Metal-organic chemical-vapor deposition of (Ba,Sr)TiO <sub>3</sub> : Nucleation and growth on Pt-(111). <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 084904	2.5	14
42	Inhomogeneous Local Conductivity Induced by Thermal Reduction in BaTiO <sub>3</sub> Thin Films and Single Crystals. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 61, 43-49	0.8	3
41	Piezoresponse in the light of surface adsorbates: Relevance of defined surface conditions for perovskite materials. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2896-2898	3.4	64
40	Domain Switching and Self- Polarization in Perovskite Thin Films <b>2004</b> , 135-155		4

39	High Speed and High Resolution Measurements on Submicron Capacitors for FeRAM Application. <i>Integrated Ferroelectrics</i> , <b>2003</b> , 53, 371-378	0.8	
38	MOCVD of (Ba,Sr)TiO <sub>3</sub> : Nucleation and Growth. <i>Integrated Ferroelectrics</i> , <b>2003</b> , 57, 1175-1184	0.8	4
37	Towards the limit of ferroelectric nanosized grains. <i>Nanotechnology</i> , <b>2003</b> , 14, 250-253	3.4	66
36	Piezoresponse force microscopy of lead titanate nanograins possibly reaching the limit of ferroelectricity. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 5231-5233	3.4	151
35	Electronic structure of some Heusler alloys based on aluminum and tin. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	14
34	Localized metallic conductivity and self-healing during thermal reduction of SrTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2002</b> , 88, 075508	7.4	250
33	Nucleation and growth of thin (Ba,Sr)TiO <sub>3</sub> films in a MOCVD reactor. <i>Materials Research Society Symposia Proceedings</i> , <b>2002</b> , 748, 1		
32	Segregation phenomena in thin films of BaTiO <sub>3</sub> . <i>Integrated Ferroelectrics</i> , <b>2001</b> , 33, 303-310	0.8	4
31	Electrical conductivity and segregation effects of doped SrTiO <sub>3</sub> thin films. <i>Journal of the European Ceramic Society</i> , <b>2001</b> , 21, 1673-1676	6	17
30	Structural and Ferroelectric Properties of Epitaxial PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> and BaTiO <sub>3</sub> Thin Films Prepared on SrRuO <sub>3</sub> /SrTiO <sub>3</sub> (100) Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 688, 1		3
29	High temperature conductivity behavior of doped SrTiO <sub>3</sub> thin films. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 33, 363-372	0.8	7
28	Defects in alkaline earth titanate thin films - the conduction behavior of doped BST. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 38, 229-237	0.8	1
27	Cation Loss of BaCa <sub>0.393</sub> Nb <sub>0.606</sub> O <sub>2.91</sub> in Aqueous Media: Amorphization at Room Temperature. <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 149, 262-275	3.3	10
26	Dielectric and pyroelectric properties of Nb-doped Pb(Zr <sub>0.92</sub> Ti <sub>0.08</sub> )O <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2000</b> , 20, 1003-1010	6	39
25	Chemical inhomogeneity in the near-surface region of KTaO <sub>3</sub> evolving at elevated temperatures. <i>Journal of Physics Condensed Matter</i> , <b>2000</b> , 12, 4687-4697	1.8	18
24	Significance of crystallographic grain orientation for oxide scale formation on FeCrAl ODS alloys studied by AFM and MCs+-SIMS. <i>Materials at High Temperatures</i> , <b>2000</b> , 17, 159-163	1.1	7
23	Formation of micro-crystals on the (100) surface of SrTiO <sub>3</sub> at elevated temperatures. <i>Surface Science</i> , <b>2000</b> , 460, 112-128	1.8	113
22	Microscopy (AFM, TEM, SEM) studies of oxide scale formation on FeCrAl based ODS alloys. <i>Solid State Ionics</i> , <b>1999</b> , 117, 13-20	3.3	26

21	Surfaces of reduced and oxidized SrTiO <sub>3</sub> from atomic force microscopy. <i>Physical Review B</i> , <b>1999</b> , 60, 5909-5926	3.5	216
20	Oxide scale formation and microstructural changes during high temperature exposure of mechanically alloyed ODS alloys studied by AFM, TEM and SIMS/SNMS. <i>Journal of Electron Microscopy</i> , <b>1999</b> , 48, 725-730		2
19	Restructuring the surface region of donor doped SrTiO <sub>3</sub> single crystals under oxidizing conditions. <i>Ferroelectrics</i> , <b>1999</b> , 224, 323-329	0.6	14
18	Towards a better understanding of surfaces of hydrogenated amorphous silicon: investigation by STM and AFM. <i>Journal of Non-Crystalline Solids</i> , <b>1998</b> , 227-230, 78-82	3.9	8
17	Atomic Force Microscopy Studies of the Surface Scale Formed During Oxidation of Incoloy Ma956. <i>Acta Physica Polonica A</i> , <b>1998</b> , 93, 399-402	0.6	
16	Size distribution of Ge islands grown on Si(001). <i>Applied Physics Letters</i> , <b>1997</b> , 71, 410-412	3.4	98
15	Importance of oxidation and reduction of barium titanate in material science. <i>Ferroelectrics</i> , <b>1997</b> , 202, 1-10	0.6	4
14	AFM and STM investigations of hydrogenated amorphous silicon: topography and barrier heights. <i>Fresenius Journal of Analytical Chemistry</i> , <b>1997</b> , 358, 338-340		4
13	Nature of the surface layer in ABO <sub>3</sub> -type perovskites at elevated temperatures. <i>Applied Physics A: Materials Science and Processing</i> , <b>1996</b> , 62, 335-343	2.6	11
12	Restructuring of the surface region in SrTiO <sub>3</sub> . <i>Applied Physics A: Materials Science and Processing</i> , <b>1996</b> , 64, 55-59	2.6	71
11	Surface layer on KNbO <sub>3</sub> and the hysteresis loop anomaly. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1765-1775	3.9	19
10	Nature of the surface layer in ABO <sub>3</sub> -type perovskites at elevated temperatures. <i>Applied Physics A: Materials Science and Processing</i> , <b>1996</b> , 62, 335-343	2.6	12
9	Surface layers in PLZT 7/65/35 ceramics. <i>Ferroelectrics</i> , <b>1994</b> , 160, 137-144	0.6	3
8	Surface chemistry and molecular reactions on KNbO <sub>3</sub> single crystal surfaces. <i>Surface Science</i> , <b>1993</b> , 280, 179-184	1.8	23
7	Microscopic nature of the metal to insulator phase transition induced through electroreduction in single-crystal KNbO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>1992</b> , 60, 1190-1192	3.4	38
6	Layer structures BaO-BaTiO <sub>3</sub> in the region of p-type conductivity on the surface of BaTiO <sub>3</sub> . <i>Applied Physics A: Solids and Surfaces</i> , <b>1991</b> , 53, 563-567		22
5	Experimental Determination of the Electronic Structure of Solid C <sub>60</sub> ; Evidence for Extended Solidlike Electronic States. <i>Europhysics Letters</i> , <b>1991</b> , 16, 437-442	1.6	10
4	Surface defect segregation in the perovskite-type ferroelectric KNbO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>1986</b> , 48, 490-492	3.4	21

- 3 Bremsstrahlung isochromat spectra and density-of-states calculations for the 3d and 4d transition metals. *Physical Review B*, **1984**, 30, 6921-6930 3.3 123
- 2 Nanosession: Advanced Spectroscopy and Scattering123-132
- 1 Nanosession: Variants of Resistive Switching247-258