Andeas Wagner

List of Publications by Year
in descending order

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362	8,082	47006	69250
papers	citations	47 h-index	77 g-index

369	369	369	4528
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring point defects and trap states in undoped SrTiO3 single crystals. Journal of the European Ceramic Society, 2022, 42, 1510-1521.	5.7	14
2	Isotopic cross sections of fragmentation residues produced by light projectiles on carbon near <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>400</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:math> MeV. Physical Review C, 2022, 105, .	2.9	2
3	Influence of surface activation on the microporosity of PEâ€CVD and PEâ€ALD SiO_x thin films on PDMS. Plasma Processes and Polymers, 2022, 19, .	3.0	5
4	Manipulating magnetic and magnetoresistive properties by oxygen vacancy complexes in GCMO thin films. Journal of Physics Condensed Matter, 2022, 34, 155804.	1.8	0
5	Photoexcitation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	2
6	Effect of Neutron Flux on an Irradiation-Induced Microstructure and Hardening of Reactor Pressure Vessel Steels. Metals, 2022, 12, 369.	2.3	5
7	Strongly Enhanced Growth of High-Temperature Superconducting Films on an Advanced Metallic Template. Crystal Growth and Design, 2022, 22, 2097-2104.	3.0	2
8	Defect Nanostructure and its Impact on Magnetism of Î±â€Cr₂O₃ Thin Films. Small, 2022, 18, e2201228.	10.0	13
9	The mechanism behind the high radiation tolerance of Feâ€“Cr alloys. Journal of Applied Physics, 2022, 131, .	2.5	4
10	The impact of high hydrostatic pressure maintenance after high-pressure torsion on phenomena during high hydrostatic pressure annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142874.	5.6	2
11	Ion Intercalation in Lanthanum Strontium Ferrite for Aqueous Electrochemical Energy Storage Devices. ACS Applied Materials & Interfaces, 2022, 14, 18486-18497.	8.0	4
12	Photo-neutron cross-section of natGd in the bremsstrahlung end-point energies of 12â€“16ÂMeV and 60â€“70ÂMeV. European Physical Journal A, 2022, 58, .	2.5	3
13	Magnetism and Magnetoelectricity of Textured Polycrystalline Bulk Cr₂O₃ Sintered in Conditions Far out of Equilibrium. ACS Applied Electronic Materials, 2022, 4, 2943-2952.	4.3	5
14	Modification of Porous Ultralow-k Film by Vacuum Ultraviolet Emission. ACS Applied Electronic Materials, 2022, 4, 2760-2776.	4.3	3
15	Unravelling the Origin of Ultraâ€Low Conductivity in SrTiO₃ Thin Films: Sr Vacancies and Ti on Aâ€Sites Cause Fermi Level Pinning. Advanced Functional Materials, 2022, 32, .	14.9	5
16	Nanoscaled LiMn₂O₄ for Extended Cycling Stability in the 3 V Plateau. ACS Applied Materials & Interfaces, 2022, 14, 33438-33446.	8.0	6
17	Oxidation of amorphous HfNbTaTiZr high entropy alloy thin films prepared by DC magnetron sputtering. Journal of Alloys and Compounds, 2021, 869, 157978.	5.5	24
18	Zinc Oxide Defect Microstructure and Surface Chemistry Derived from Oxidation of Metallic Zinc: Thinâ€Film Transistor and Sensor Behavior of ZnO Films and Rods. Chemistry - A European Journal, 2021, 27, 5422-5431.	3.3	8

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19	Mapping the Structure of Oxygen-Doped Wurtzite Aluminum Nitride Coatings from Ab Initio Random Structure Search and Experiments. ACS Applied Materials & Interfaces, 2021, 13, 5762-5771.	8.0	3
20	Cation non-stoichiometry in Fe:SrTiO₃ thin films and its effect on the electrical conductivity. Nanoscale Advances, 2021, 3, 6114-6127.	4.6	4
21	An experimental investigation of light emission produced in the process of positronium formation in matter. Physical Chemistry Chemical Physics, 2021, 23, 11264-11271.	2.8	2
22	Bremsstrahlung emission and plasma characterization driven by moderately relativistic laserâ€“plasma interactions. Plasma Physics and Controlled Fusion, 2021, 63, 035004.	2.1	13
23	Solution synthesis and dielectric properties of alumina thin films: understanding the role of the organic additive in film formation. Dalton Transactions, 2021, 50, 8811-8819.	3.3	0
24	Electric and magnetic dipole strength in Zn66. Physical Review C, 2021, 103, .	2.9	4
25	Zinc Oxide Defect Microstructure and Surface Chemistry Derived from Oxidation of Metallic Zinc. Thin Film Transistor and Sensoric Behaviour of ZnO Films and Rods. Chemistry - A European Journal, 2021, 27, 5312-5312.	3.3	0
26	Ultrathin Co films with Pt and Au coversâ€”magnetic and structural properties driven by Ga⁺ ion irradiation. New Journal of Physics, 2021, 23, 023015.	2.9	5
27	Tuned AFMâ€“FM coupling by the formation of vacancy complex in Gd_{0.6}Ca_{0.4}MnO₃ thin film lattice. Journal of Physics Condensed Matter, 2021, 33, 255803.	1.8	4
28	Magneto-Ionics in Single-Layer Transition Metal Nitrides. ACS Applied Materials & Interfaces, 2021, 13, 30826-30834.	8.0	13
29	A new system for real-time data acquisition and pulse parameterization for digital positron annihilation lifetime spectrometers with high repetition rates. Journal of Instrumentation, 2021, 16, P08001.	1.2	25
30	Effect of roughness and nanoporosity on optical properties of black and reflective Al films prepared by magnetron sputtering. Journal of Alloys and Compounds, 2021, 872, 159744.	5.5	11
31	Critical Role of Electrical Resistivity in Magnetoionics. Physical Review Applied, 2021, 16, .	3.8	6
32	Neutron capture cross sections of light neutron-rich nuclei relevant for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>r</mml:mi></mml:math> -process nucleosynthesis. Physical Review C, 2021, 104, .	2.9	3
33	NeuLAND: The high-resolution neutron time-of-flight spectrometer for R3B at FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165701.	1.6	19
34	Formation and time dynamics of hydrogen-induced vacancies in nickel. Acta Materialia, 2021, 219, 117264.	7.9	13
35	Phase evolution of Te-hyperdoped Si upon furnace annealing. Applied Surface Science, 2021, 567, 150755.	6.1	6
36	Exploring the anti-site disorder and oxygen vacancies in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e281" altimg="si7.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>FeMoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e289" altimg="si8.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msu	2.3	9

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37	Defect Characterization Using Positron Annihilation Spectroscopy on Laser-Ablated Surfaces. Jom, 2021, 73, 4221.	1.9	0
38	Radiation damage evolution in pure W and W-Cr-Hf alloy caused by 5ÂMeV Au ions in a broad range of dpa. Nuclear Materials and Energy, 2021, 29, 101085.	1.3	3
39	Light-driven permanent transition from insulator to conductor. Physical Review B, 2021, 104, .	3.2	6
40	Detection systems for range monitoring in proton therapy: Needs and challenges. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 954, 161227.	1.6	37
41	Opportunities for measurements of astrophysicalâ€relevant alphaâ€capture reaction rates at CRYRING@ESR. X-Ray Spectrometry, 2020, 49, 129-132.	1.4	2
42	Positron annihilation analysis of nanopores and growth mechanism of oblique angle evaporated TiO2 and SiO2 thin films and multilayers. Microporous and Mesoporous Materials, 2020, 295, 109968.	4.4	8
43	Improvement of luminescence properties of n-GaN using TEGa precursor. Journal of Crystal Growth, 2020, 531, 125383.	1.5	6
44	Thermal kinetics of free volume in porous spin-on dielectrics: Exploring the network- and pore-properties. Microporous and Mesoporous Materials, 2020, 308, 110457.	4.4	4
45	High-sensitivity investigation of low-lying dipole strengths in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>120</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	12
46	Voltage-driven motion of nitrogen ions: a new paradigm for magneto-ionics. Nature Communications, 2020, 11, 5871.	12.8	42
47	Electrical and optical properties in O-polar and Zn-polar ZnO films grown by pulsed laser deposition. Thin Solid Films, 2020, 711, 138303.	1.8	4
48	A new mechanism for void-cascade interaction from nondestructive depth-resolved atomic-scale measurements of ion irradiationâ€“induced defects in Fe. Science Advances, 2020, 6, eaba8437.	10.3	32
49	Measurement of the 16O(n, Î±)13C cross-section using a Double Frisch Grid Ionization Chamber. EPJ Web of Conferences, 2020, 239, 01030.	0.3	0
50	Dipole response of Rb87 and its impact on the Rb86(n,Î³)Rb87 cross section. Physical Review C, 2020, 102, .	2.9	8
51	Photo-neutron cross-section of $${}^{{mathrm {nat}}}{mathrm {Dy}}$$ in the bremsstrahlung end-point energies of 12, 14, 16, 65, and 75 MeV. European Physical Journal A, 2020, 56, 1.	2.5	1
52	Vacancy-Hydrogen Interaction in Niobium during Low-Temperature Baking. Scientific Reports, 2020, 10, 8300.	3.3	17
53	Magnetic response of FeRh to static and dynamic disorder. RSC Advances, 2020, 10, 14386-14395.	3.6	21
54	Electric and magnetic dipole strength in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>54</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	6

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55	Ferromagnetism in undoped ZnO grown by pulsed laser deposition. Materials Research Express, 2020, 7, 056102.	1.6	3
56	Measurement and Simulation of Vacancy Formation in 2-MeV Self-irradiated Pure Fe. Jom, 2020, 72, 2436-2444.	1.9	1
57	A detailed ellipsometric porosimetry and positron annihilation spectroscopy study of porous organosilicate-glass films with various ratios of methyl terminal and ethylene bridging groups. Microporous and Mesoporous Materials, 2020, 306, 110434.	4.4	11
58	Boosting Roomâ€Temperature Magnetoâ€Ionics in a Nonâ€Magnetic Oxide Semiconductor. Advanced Functional Materials, 2020, 30, 2003704.	14.9	18
59	A secret luminescence killer in deepest QWs of InGaN/GaN multiple quantum well structures. Journal of Crystal Growth, 2020, 536, 125579.	1.5	1
60	Chemical manipulation of hydrogen induced high p-type and n-type conductivity in Ga2O3. Scientific Reports, 2020, 10, 6134.	3.3	65
61	Characterisation of micropores in plasma deposited SiO _x films by means of positron annihilation lifetime spectroscopy. Journal Physics D: Applied Physics, 2020, 53, 475205.	2.8	7
62	Point and extended defects in heteroepitaxial Î²â^'Ga2O3 films. Physical Review Materials, 2020, 4, .	2.4	12
63	Positron Structural Analysis of ScN Films Deposited on MgO Substrate. Acta Physica Polonica A, 2020, 137, 209-214.	0.5	3
64	Defects in Thin Layers of High Entropy Alloy HfNbTaTiZr. Acta Physica Polonica A, 2020, 137, 219-221.	0.5	3
65	Microstructure and Nanoscopic Porosity in Black Pd Films. Acta Physica Polonica A, 2020, 137, 222-226.	0.5	5
66	Study of Nanoscopic Porosity in Black Metals by Positron Annihilation Spectroscopy. Acta Physica Polonica B, 2020, 51, 383.	0.8	5
67	Neutron transmission measurements at nELBE. EPJ Web of Conferences, 2020, 239, 01006.	0.3	4
68	Dissolution of donor-vacancy clusters in heavily doped n-type germanium. New Journal of Physics, 2020, 22, 123036.	2.9	4
69	Depth selective magnetic phase coexistence in FeRh thin films. APL Materials, 2020, 8, .	5.1	15
70	Fast neutron inelastic scattering from 7Li. EPJ Web of Conferences, 2020, 239, 01029.	0.3	0
71	Fundamental studies on the curing behavoir of porous CVD and spin-on dielectrics. , 2020, , .		0
72	Flexible IGZO TFTs and Their Suitability for Space Applications. IEEE Journal of the Electron Devices Society, 2019, 7, 1182-1190.	2.1	14

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73	On defectsâ€™ role in enhanced perpendicular magnetic anisotropy in Pt/Co/Pt, induced by ion irradiation. Journal of Physics Condensed Matter, 2019, 31, 185801.	1.8	7
74	Vacancy complexes in nonequilibrium germanium-tin semiconductors. Applied Physics Letters, 2019, 114, .	3.3	30
75	Depth Resolved Measurements of Atomic Scale Defects in Ion Irradiated Fe Alloys. Microscopy and Microanalysis, 2019, 25, 1546-1547.	0.4	1
76	Enhanced flux pinning isotropy by tuned nanosized defect network in superconducting YBa2Cu3O6+x films. Scientific Reports, 2019, 9, 15425.	3.3	24
77	The role of open-volume defects in the annihilation of antisites in a B2-ordered alloy. Acta Materialia, 2019, 176, 167-176.	7.9	14
78	Vacancy cluster in ZnO films grown by pulsed laser deposition. Scientific Reports, 2019, 9, 3534.	3.3	26
79	Fast-neutron-induced fission cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>242</mml:mn></mml:mmultiscripts></mml:math> measured at the neutron time-of-flight facility <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi><mml:mi>ELBE</mml:mi></mml:math>. Physical Review C, 2019, 99, .	2.9	1
80	Formation of heavy clusters in ion-irradiated compounds. Vacuum, 2019, 164, 149-152.	3.5	4
81	Ion-induced processes in polymer composite materials: Positron annihilation spectroscopy in combination with UV-Vis absorption and Raman spectroscopy. AIP Conference Proceedings, 2019, , .	0.4	1
82	Improving depth resolutions in positron beam spectroscopy by concurrent ion-beam sputtering. Nuclear Instruments & Methods in Physics Research B, 2018, 423, 62-66.	1.4	2
83	Strong Neutron Pairing in core+4n Nuclei. Physical Review Letters, 2018, 120, 152504.	7.8	9
84	Quasifree (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 322 Td (display="in Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle Strength. Physical Review Letters, 2018, 120, 092501.	7.8	69
85	Quasifree (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 277 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" <mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>14</mml:mn>	2.9	15
86	Astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:math> factor of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi></mml:	2.9	24
87	Temperature quenching in LAB based liquid scintillator. European Physical Journal C, 2018, 78, 1.	3.9	6
88	Microstructure, defect structure and hydrogen trapping in zirconium alloy Zr-1Nb treated by plasma immersion Ti ion implantation and deposition. Journal of Alloys and Compounds, 2018, 732, 80-87.	5.5	17
89	Sb-related defects in Sb-doped ZnO thin film grown by pulsed laser deposition. Journal of Applied Physics, 2018, 123, .	2.5	19
90	Felsenkeller 5 MV underground accelerator: Towards the Holy Grail of Nuclear Astrophysics ¹²C(Î±, Î³)¹⁶O. EPJ Web of Conferences, 2018, 178, 01008.	0.3	2

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91	Low Temperature and Radiation Stability of Flexible IGZO TFTs and their Suitability for Space Applications. , 2018, , .		1
92	Dipole strength distribution in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>206</mml:mn></mml:mmultiscripts></mml:math> for the evaluation of the neutron capture cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>205</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 98, .	2.9	9
93	Voltage-Controlled ONâ€“OFF Ferromagnetism at Room Temperature in a Single Metal Oxide Film. ACS Nano, 2018, 12, 10291-10300.	14.6	57
94	Determination of the fast-neutron-induced fission cross-section of 242Pu at nELBE. EPJ Web of Conferences, 2018, 169, 00009.	0.3	0
95	Positron annihilation lifetime and Doppler broadening spectroscopy at the ELBE facility. AIP Conference Proceedings, 2018, , .	0.4	60
96	Rotation-Free Scattered-Radiation Imaging with a Radiotherapy X-Ray Linac. , 2018, , .		0
97	The neutron transmission of natFe, 197Au and natW. European Physical Journal A, 2018, 54, 1.	2.5	6
98	Measurement of the prompt fissionÎ³-ray spectrum of 242Pu. EPJ Web of Conferences, 2018, 169, 00026.	0.3	0
99	Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts></mml:math> studied in proton knockout from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts></mml:math>	2.9	9
100	Observation of Negative Magnetic Hysteresis Loop in ZnO Thin Films. Journal of Spectroscopy, 2018, 2018, 1-6.	1.3	2
101	The $gamma$ Î³ -ray angular distribution in fast neutron inelastic scattering from iron. European Physical Journal A, 2018, 54, 1.	2.5	5
102	Metal oxide double layer capacitors by electrophoretic deposition of metal oxides. Fabrication, electrical characterization and defect analysis using positron annihilation spectroscopy. Journal of Materials Chemistry C, 2018, 6, 9501-9509.	5.5	2
103	Zn-vacancy related defects in ZnO grown by pulsed laser deposition. , 2017, , .		2
104	Coulomb breakup of neutron-rich ^{29,30}Na isotopes near the island of inversion. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 045101.	3.6	3
105	Determination of the neutron-capture rate of C17 for r -process nucleosynthesis. Physical Review C, 2017, 95, .	2.9	10
106	Engineering of optical and electrical properties of ZnO by non-equilibrium thermal processing: The role of zinc interstitials and zinc vacancies. Journal of Applied Physics, 2017, 122, 035303.	2.5	17
107	Effective proton-neutron interaction near the drip line from unbound states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>25</mml:mn><mml:mo>,</mml:mo><mml:mn>26</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> Physical Review C, 2017, 96, .	2.9	14
108	Probing the Impact of the Initiator Layer on Grafted-from Polymer Brushes: A Positron Annihilation Spectroscopy Study. Macromolecules, 2017, 50, 5574-5581.	4.8	18

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109	Nuclear-Physics Experiments at the Bremsstrahlung Facility Î³ELBE. Nuclear Physics News, 2017, 27, 23-26.	0.4	3
110	E1 and M1 strength functions at low energy. EPJ Web of Conferences, 2017, 146, 05001.	0.3	1
111	Positron annihilation lifetime spectroscopy at a superconducting electron accelerator. Journal of Physics: Conference Series, 2017, 791, 012004.	0.4	20
112	Neutron transmission measurement for natural W at nELBE. EPJ Web of Conferences, 2017, 146, 11044.	0.3	1
113	Dipole strength in 80Se below the neutron-separation energy for the nuclear transmutation of 79Se. EPJ Web of Conferences, 2017, 146, 05017.	0.3	0
114	Fast-neutron-induced fission of242Pu atnELBE. EPJ Web of Conferences, 2017, 146, 11023.	0.3	2
115	Angular distribution measurement of gamma rays from inelastic neutron scattering on 56Fe at the nELBE time-of-flight facility. EPJ Web of Conferences, 2017, 146, 11040.	0.3	3
116	Inelastic scattering of fast neutrons from56Fe. EPJ Web of Conferences, 2017, 146, 02017.	0.3	0
117	Progress of the Felsenkeller Shallow-Underground Accelerator for Nuclear Astrophysics. , 2017, , .		2
118	Ground-state configuration of neutron-rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>35</mml:mn></mml:mmultiscripts></mml:math> via Coulomb breakup. Physical Review C, 2017, 96, .	2.9	3
119	Program and status for the planned underground accelerator in the Dresden Felsenkeller. Journal of Physics: Conference Series, 2016, 665, 012030.	0.4	0
120	Measurement of the^{92,93,94,100}Mo(Î³,n) reactions by Coulomb Dissociation. Journal of Physics: Conference Series, 2016, 665, 012034.	0.4	1
121	Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.	0.4	9
122	Measurement of the photodissociation of the deuteron at energies relevant to Big Bang nucleosynthesis. Journal of Physics: Conference Series, 2016, 665, 012003.	0.4	0
123	Dipole strength in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Se</mml:mi><mml:mprescripts /><mml:none /><mml:mn>80</mml:mn></mml:mmultiscripts></mml:math>for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math>process and nuclear transmutation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Se</mml:mi><mml:mprescripts	2.9	10
124	Induced conductivity in sol-gel ZnO films by passivation or elimination of Zn vacancies. AIP Advances, 2016, 6, .	1.3	28
125	Photo-neutron reaction cross-sections for natMo in the bremsstrahlung end-point energies of 12-16 and 45-70 MeV. European Physical Journal A, 2016, 52, 1.	2.5	10
126	Direct experimental evidence for a multiparticle-hole ground state configuration of deformedMg33. Physical Review C, 2016, 94, .	2.9	10

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127	Effects of Substrate and Post-Growth Treatments on the Microstructure and Properties of ZnO Thin Films Prepared by Atomic Layer Deposition. Journal of Electronic Materials, 2016, 45, 6337-6345.	2.2	8
128	Threshold concentration for ion implantation-induced Co nanocluster formation in TiO 2 :Co thin films. Nuclear Instruments & Methods in Physics Research B, 2016, 389-390, 13-16.	1.4	3
129	Role of electric and magnetic dipole strength functions in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>114</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mrow><mml:mi>Î³</mml:mi><mml:mo>,</mml:mo><mml:mo><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:n. Physical Review C, 2016, 93, .	2.9	12
130	Coulomb dissociation ofP27at 500 MeV/u. Physical Review C, 2016, 93, .	2.9	6
131	Systematic investigation of projectile fragmentation using beams of unstable B and C isotopes. Physical Review C, 2016, 93, .	2.9	11
132	Coulomb dissociation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>20</mml:mn><mml:mo>,</mml:mo><mml:mn>21</mml:mn></mml:mrow></mml:mmultiscripts></mml:math Physical Review C, 2016, 93, .	2.9	8
133	ZnO Luminescence and scintillation studied via photoexcitation, X-ray excitation and gamma-induced positron spectroscopy. Scientific Reports, 2016, 6, 31238.	3.3	45
134	Positron spectroscopy of point defects in the skyrmion-lattice compound MnSi. Scientific Reports, 2016, 6, 29109.	3.3	23
135	Surface sealing using self-assembled monolayers and its effect on metal diffusion in porous low- k dielectrics studied using monoenergetic positron beams. Applied Surface Science, 2016, 368, 272-276.	6.1	22
136	Measurement of isomeric ratios for 89g,mZr, 91g,mMo, and 97g,mNb in the bremsstrahlung end-point energies of 16 and 45-70 MeV. European Physical Journal A, 2016, 52, 1.	2.5	5
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