Pedro Luis Grande

List of Publications by Year
in descending order

181	3,355	147726	214721
papers	citations	31 h-index	47 g-index

183	183	183	1591
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact Features Induced by Single Fast Ions of Different Charge-State on Muscovite Mica. Atoms, 2021, 9, 17.	0.7	5
2	Ion implantation in Î²-Ga2O3: Physics and technology. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	45
3	Bohr's stopping-power formula derived for a classical free-electron gas. Physical Review A, 2021, 104, .	1.0	3
4	Fluorination of graphene leads to susceptibility for nanopore formation by highly charged ion impact. Physical Review Materials, 2021, 5, .	0.9	7
5	Peeling graphite layer by layer reveals the charge exchange dynamics of ions inside a solid. Communications Physics, 2021, 4, .	2.0	13
6	Angle-dependent charge exchange and energy loss of slow highly charged ions in freestanding graphene. Physical Review A, 2021, 104, .	1.0	5
7	Ion tracks in ultrathin polymer films: The role of the substrate. Current Applied Physics, 2021, 32, 91-97.	1.1	3
8	Depth profiling of ion-implanted samples by high-energy electron scattering. Journal Physics D: Applied Physics, 2020, 53, 135304.	1.3	3
9	Stopping and straggling of 60â€“250-keV backscattered protons on nanometric Pt films. Physical Review A, 2020, 102, .	1.0	10
10	Elucidating the capability of electron backscattering for 3D nano-structure determination. Journal Physics D: Applied Physics, 2020, 53, 425103.	1.3	0
11	Vanishing influence of the band gap on the charge exchange of slow highly charged ions in freestanding single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review B, 2020, 102, .	1.1	15
12	The effect of ion implantation on reflection electron energy loss spectroscopy: The case of Au implanted Al films. Journal of Electron Spectroscopy and Related Phenomena, 2020, 240, 146935.	0.8	0
13	Unraveling energy loss processes of low energy heavy ions in 2D materials. Communications Physics, 2019, 2, .	2.0	28
14	Unraveling structural and compositional information in 3D FinFET electronic devices. Scientific Reports, 2019, 9, 11629.	1.6	14
15	Profiling As plasma doped Si/SiO2 with molecular ions. Thin Solid Films, 2019, 692, 137536.	0.8	1
16	Extension schemes of the dielectric function, and their implications for ion stopping calculations. Journal of Physics and Chemistry of Solids, 2019, 133, 187-196.	1.9	2
17	Roundâ€robin test of mediumâ€energy ion scattering for quantitative depth profiling of ultrathin HfO 2 /SiO 2 /Si films. Surface and Interface Analysis, 2019, 51, 712-721.	0.8	3
18	Nonlinear stopping effects of slow ions in a no-free-electron system: Titanium nitride. Physical Review A, 2019, 100, .	1.0	12

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19	Characterization of oxygen self-diffusion in TiO2 resistive-switching layers by nuclear reaction profiling. Nuclear Instruments & Methods in Physics Research B, 2019, 441, 8-11.	0.6	0
20	Modelling the contribution of semi-core electrons to the dielectric function. Journal of Physics and Chemistry of Solids, 2019, 124, 242-249.	1.9	9
21	Round-Robin Test of Medium-Energy Ion Scattering for Quantitative Depth Profiling of Ultrathin HfO₂/SiO₂/Si Films. Journal of Surface Analysis (Online), 2019, 26, 96-97.	0.1	0
22	Stopping cross section of vanadium for H + and He + ions in a large energy interval deduced from backscattering spectra. Nuclear Instruments & Methods in Physics Research B, 2018, 424, 43-51.	0.6	16
23	Stopping power of cluster ions in a free-electron gas from partial-wave analysis. Physical Review A, 2018, 98, .	1.0	11
24	Unveiling the Mechanisms Governing the Exchange Coupling and Coercivity Modifications in Annealed or Ion-Irradiated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mrow><mml:mrow><mml:mi>Ir</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>Mn</mml:mi></mml:mrow> / <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mi>Fe</mml:mi></mml:math> / <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" dis. Physical Review Applied, 2018, 10, .	1.5	3
25	The influence of shallow core levels on the shape of REELS spectra. Journal of Electron Spectroscopy and Related Phenomena, 2018, 229, 42-46.	0.8	5
26	Room temperature synthesis of HfO₂/HfO _x heterostructures by ion-implantation. Nanotechnology, 2018, 29, 425601.	1.3	6
27	A comparison of the analysis of non-centrosymmetric materials based on ion and electron beams. Nuclear Instruments & Methods in Physics Research B, 2018, 431, 31-37.	0.6	1
28	Simple model dielectric functions for insulators. Journal of Physics and Chemistry of Solids, 2017, 104, 192-197.	1.9	17
29	Charge-state related effects in sputtering of LiF by swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2017, 392, 94-101.	0.6	19
30	Extracting the dielectric function from highâ€energy REELS measurements. Surface and Interface Analysis, 2017, 49, 809-821.	0.8	10
31	How the choice of model dielectric function affects the calculated observables. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 97-109.	0.6	11
32	Oxygen diffusion in TiO 2 films studied by electron and ion Rutherford backscattering. Thin Solid Films, 2017, 629, 97-102.	0.8	23
33	Vicinage effect in the energy loss of H2 dimers: Experiment and calculations based on time-dependent density-functional theory. Physical Review A, 2017, 95, .	1.0	12
34	Unveiling the Inner Structure of PtPd Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 19461-19466.	1.5	9
35	Ground- and excited-state scattering potentials for the stopping of protons in an electron gas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 185201.	0.6	12
36	A comparison of ERBS spectra of compounds with Monte Carlo simulations. Surface and Interface Analysis, 2016, 48, 415-421.	0.8	6

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37	Alternative treatment for the energy-transfer and transport cross section in dressed electron-ion binary collisions. Physical Review A, 2016, 94, .	1.0	17
38	On the use of MEIS cartography for the determination of Si 1â€“x Ge x thin-film strain. Thin Solid Films, 2016, 611, 101-106.	0.8	5
39	Morphological and compositional characteristics of bimetallic core@shell nanoparticles revealed by MEIS. Applied Surface Science, 2015, 330, 164-171.	3.1	9
40	Fluctuation conductivity and the chiral glass state in disordered <mml:math altimg="si6.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	0.6	2
41	Neutralization and wake effects on the Coulomb explosion of swift<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow><mml:mo>+</mml:mo></mml:msup></mml:m traversing thin films. Physical Review A, 2015, 91, .	1.0	6
42	High-energy electron scattering from TiO2 surfaces. Nuclear Instruments & Methods in Physics Research B, 2015, 354, 332-339.	0.6	8
43	Confinement Effects of Ion Tracks in Ultrathin Polymer Films. Physical Review Letters, 2015, 114, 118302.	2.9	30
44	Antiparallel interface coupling evidenced by negative rotatable anisotropy in IrMn/NiFe bilayers. Journal of Applied Physics, 2015, 117, .	1.1	12
45	Transverse voltage and chiral glass transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YBa</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m Physica C: Superconductivity and Its Applications, 2014, 506, 87-93.	0.6	3
46	The use of electron Rutherford backscattering to characterize novel electronic materials as illustrated by a case study of sputter-deposited NbO x films. Nuclear Instruments & Methods in Physics Research B, 2014, 340, 58-62.	0.6	15
47	Oxygen Self-Diffusion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>HfO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> by Electron Spectroscopy. Physical Review Letters, 2014, 112, 175901.	2.9	25
48	MEIS, TEM and GISAXS investigation of buried Pb nanoislands in SiO 2 /Si interface. Applied Surface Science, 2014, 321, 80-85.	3.1	2
49	Quantitative Compositional Profiling of Conjugated Quantum Dots with Single Atomic Layer Depth Resolution via Time-of-Flight Medium-Energy Ion Scattering Spectroscopy. Analytical Chemistry, 2014, 86, 1091-1097.	3.2	23
50	The relation between the electron energy loss spectra of hafnia and its dielectric function. Surface Science, 2014, 630, 1-8.	0.8	14
51	Ultrafast electronic processes in an insulator: The Be and O sites in BeO. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 48-55.	0.6	6
52	Determination of film thicknesses through the breakup of H2+ ions. Surface Science, 2013, 608, 292-296.	0.8	9
53	Exploring the Barkas effect with keV-electron scattering. Physical Review A, 2013, 88, .	1.0	10
54	Determination of thickness and composition of high-k dielectrics using high-energy electrons. Applied Physics Letters, 2013, 103, 071911.	1.5	11

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55	Skimming-trajectory effect for energy loss of medium-energy He ions passing along major crystal axes of KI(001) and RbI(001). Physical Review A, 2013, 87, .	1.0	2
56	A high-energy electron scattering study of the electronic structure and elemental composition of O-implanted Ta films used for the fabrication of memristor devices. Journal of Applied Physics, 2013, 114, 073508.	1.1	13
57	New approach for structural characterization of planar sets of nanoparticles embedded into a solid matrix. Scientific Reports, 2013, 3, 3414.	1.6	5
58	Structural characterization of CdSe/ZnS quantum dots using medium energy ion scattering. Applied Physics Letters, 2012, 101, .	1.5	15
59	Iron-based bimagnetic core/shell nanostructures in SiO2: a TEM, MEIS, and energy-resolved XPS analysis. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	11
60	Stopping of protons â€“ Improved accuracy of the UCA model. Nuclear Instruments & Methods in Physics Research B, 2012, 273, 1-5.	0.6	23
61	Structural control of gold nanoparticles self-assemblies by layer-by-layer process. Nanoscale, 2011, 3, 1717.	2.8	12
62	Energy loss of swiftH2+andH3+molecules in gold: Vicinage effects. Physical Review B, 2011, 83, .	1.1	13
63	Ion irradiation effects on the exchange bias in IrMn/Co films. Journal of Applied Physics, 2011, 109, .	1.1	18
64	Cluster ion emission from LiF induced by MeV Nq+ projectiles and 252Cf fission fragments. European Physical Journal D, 2011, 63, 391-400.	0.6	9
65	Depth profiling techniques: how PIXE compares to NRP and MEIS?. X-Ray Spectrometry, 2011, 40, 157-161.	0.9	1
66	Ultrafast band-structure variations induced by fast Au ions in BeO. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 959-963.	0.6	1
67	Structural characterization of Pb nanoislands in SiO2/Si interface synthesized by ion implantation through MEIS analysis. Surface Science, 2011, 605, 654-658.	0.8	11
68	Introducing electron capture into the unitary-convolution-approximation energy-loss theory at low velocities. Physical Review A, 2011, 84, .	1.0	47
69	Al-K-Auger energy spectra: Probing the electron dynamics in ion-solid interactions. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 192-200.	0.1	0
70	Energy loss of argon in a laser-generated carbon plasma. Physical Review E, 2010, 81, 026401.	0.8	40
71	Evidence for an Ultrafast Breakdown of the BeO Band Structure Due to Swift Argon and Xenon Ions. Physical Review Letters, 2010, 105, 187603.	2.9	11
72	Role of electronic excitations in the energy loss ofH2+projectiles in high-Îºmaterials. Physical Review B, 2009, 80, .	1.1	6

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73	Direct Observation and Theory of Trajectory-Dependent Electronic Energy Losses in Medium-Energy Ion Scattering. Physical Review Letters, 2009, 102, 096103.	2.9	14
74	Characterization of nanoparticles through medium-energy ion scattering. Journal of Applied Physics, 2009, 106, .	1.1	51
75	Optical oscillator strengths, mean excitation energy, shell corrections and experimental values for stopping power. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2471-2474.	0.6	3
76	Isotopic labeling study of oxygen diffusion in amorphous LaScO3 high-Î¤ films on Si(100) and its effects on the electrical characteristics. Applied Physics A: Materials Science and Processing, 2009, 96, 447-451.	1.1	5
77	Convolution approximation for the energy loss, ionization probability and straggling of fast ions. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 859-865.	0.6	60
78	Experimental and theoretical studies of the energy-loss straggling of H and He ion beams in HfO2 films. European Physical Journal D, 2009, 54, 65-70.	0.6	9
79	High-energy ion beam irradiation of Co/NiFe/Co/Cu multilayers: Effects on the structural, transport and magnetic properties. Thin Solid Films, 2008, 516, 2087-2093.	0.8	4
80	Search for short-time phase effects in the electronic damage evolution â€“ A case study with silicon. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1287-1293.	0.6	10
81	Direct Evidence for Projectile Charge-State Dependent Crater Formation Due to Fast Ions. Physical Review Letters, 2008, 101, 167601.	2.9	32
82	Analytical energy loss distribution for accurate high resolution depth profiling using medium energy ion scattering. Applied Physics Letters, 2008, 92, 164102.	1.5	9
83	Controlled rotation of the exchange-bias direction in IrMnâ•Cuâ•Co via ion irradiation. Applied Physics Letters, 2008, 93, .	1.5	31
84	Impact-parameter dependence of the energy loss of fast molecular clusters in hydrogen. Physical Review A, 2008, 77, .	1.0	3
85	Signature of plasmon excitations in the stopping ratio of fast hydrogen clusters. Physical Review B, 2008, 77, .	1.1	19
86	Asymmetric line shapes for medium energy H and He ions undergoing a large-angle collision. Physical Review B, 2008, 78, .	1.1	16
87	Indications for Enhanced Auger-Electron Absorption in a Hot-Electron Gas. Physical Review Letters, 2007, 99, 197602.	2.9	5
88	Advanced ion energy loss models: Applications to subnanometric resolution elemental depth profiling. Surface Science, 2007, 601, 5559-5570.	0.8	16
89	An analytical energy-loss line shape for high depth resolution in ion-beam analysis. Nuclear Instruments & Methods in Physics Research B, 2007, 256, 92-96.	0.6	38
90	Inelastic energy loss in100â”keVH+scattering from single atoms: Theory and experiment for K, Rb, and Cs. Physical Review B, 2006, 74, .	1.1	6

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91	Interplay between the Coulomb explosion and vicinage effects studied usingH2+molecules under channeling conditions. Physical Review B, 2006, 73, .	1.1	5
92	INNER-SHELL COLLECTIVE EFFECTS FOR PROTONS BACKSCATTERED FROM THE AL(110) SURFACE. , 2006, , .		0
93	Impact-parameter dependence of the electronic energy loss of fast cluster projectiles. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 17-23.	0.6	2
94	The influence of the Coulomb explosion on the energy loss of <mml:math altimg="si5.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	0.6	5
95	Electronic energy-density effects in ion tracks of metals. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 426-430.	0.6	12
96	Energy loss in medium-energy ion scattering: A combined theoretical and experimental study of the model system Y on Si(111). Physical Review B, 2005, 72, .	1.1	11
97	Observation of collective inner-shell effects for protons backscattered from the Al(110) surface. Physical Review A, 2005, 72, .	1.0	2
98	Electronic energy loss of channeled ions: The giant Barkas effect. Physical Review A, 2004, 70, .	1.0	9
99	Nonperturbative treatment of medium-energy proton scattering under shadowing-blocking conditions in Al(110). Physical Review B, 2004, 69, .	1.1	13
100	Contribution of close collisions to the Barkas effect: The classical picture. Physical Review A, 2004, 70, .	1.0	13
101	Coulomb heating of channeledH2+andH3+molecules in Si. Physical Review B, 2004, 69, .	1.1	14
102	Random energy loss and straggling study of 9Be ions in silicon. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 246-250.	0.6	5
103	Non-equilibrium emission of secondary ions from BeO films sputtered by swift gold ions. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 72-77.	0.6	13
104	Ionization and Energy Loss Beyond Perturbation Theory. Advances in Quantum Chemistry, 2004, 45, 7-46.	0.4	26
105	Energy loss of helium ions in zinc. Physical Review A, 2004, 69, .	1.0	13
106	Femtosecond dynamics â€“ snapshots of the early ion-track evolution. Nuclear Instruments & Methods in Physics Research B, 2004, 225, 4-26.	0.6	34
107	Spectroscopy of Si-Auger electrons from the center of heavy-ion tracks. Nuclear Instruments & Methods in Physics Research B, 2003, 209, 26-31.	0.6	5
108	The role of basic energy-loss processes in layer-resolved surface investigations with ions. Current Applied Physics, 2003, 3, 35-37.	1.1	1

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109	Experimental energy straggling of protons inSiO2. Physical Review A, 2003, 68, .	1.0	16
110	Random and channeling stopping powers of He and Li ions in Si. Physical Review B, 2002, 65, .	1.1	21
111	The unitary convolution approximation for heavy ions. Nuclear Instruments & Methods in Physics Research B, 2002, 195, 55-63.	0.6	74
112	Random stopping power and energy straggling of ions into amorphous Si target. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 79-83.	0.6	12
113	Energy loss measurements of H2 and H3 molecular beams along random and directions of Si. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 74-78.	0.6	2
114	Channeling energy loss of O ions in Si: The Barkas effect. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 172-177.	0.6	6
115	Si-Auger electrons from the center of nuclear tracks. Nuclear Instruments & Methods in Physics Research B, 2002, 193, 705-712.	0.6	16
116	Ion tracks â€" quasi one-dimensional nano-structures. Applied Surface Science, 2001, 182, 286-292.	3.1	19
117	Energy dissipation of fast heavy ions in matter. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 1-11.	0.6	61
118	Random energy loss and straggling study of Li into Si. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 98-101.	0.6	4
119	Angular dependence for the energy loss of channeled He ions near the Si and directions. Nuclear Instruments & Methods in Physics Research B, 2001, 174, 407-413.	0.6	8
120	Improved charge-state formulas. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 125-131.	0.6	241
121	Limitations to depth resolution in ion scattering experiments. Nuclear Instruments & Methods in Physics Research B, 2001, 183, 16-24.	0.6	26
122	Electronic energy loss ofH3+ion clusters inSiO2films. Physical Review A, 2001, 64, .	1.0	12
123	Giant Barkas Effect Observed for Light Ions Channeling in Si. Physical Review Letters, 2001, 86, 1482-1485.	2.9	34
124	Charge equilibration of He ions in the Si channel. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 96-100.	0.6	3
125	Molecular H2 and H3 energy loss measurements along the Si â€ˆ111â€‰ direction. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 168-171.	0.6	5
126	Auger electrons from ion tracks. Nuclear Instruments & Methods in Physics Research B, 2000, 164-165, 353-364.	0.6	33

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127	Impact-parameter dependent energy loss of screened ions. Nuclear Instruments & Methods in Physics Research B, 2000, 164-165, 203-211.	0.6	57
128	Charge equilibration of energetic He ions in the Si channel. Nuclear Instruments & Methods in Physics Research B, 2000, 168, 321-328.	0.6	4
129	On the use of the backward Fokkerâ€“Planck equation to calculate range profiles. Nuclear Instruments & Methods in Physics Research B, 2000, 170, 45-52.	0.6	2
130	Impact-parameter dependence of the electronic energy loss. AIP Conference Proceedings, 2000, , .	0.3	0
131	Determination of the electron temperature in the thermal spike of amorphous carbon. Europhysics Letters, 1999, 47, 384-390.	0.7	36
132	Electronic stopping power of axial channeled Li ions in Si crystals. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 164-167.	0.6	9
133	Damage of ion irradiated C60 films. Nuclear Instruments & Methods in Physics Research B, 1999, 149, 336-342.	0.6	29
134	Depth profiles and amorphization behavior under channeling conditions for low energy Bi ions implanted into Si crystals. Nuclear Instruments & Methods in Physics Research B, 1999, 149, 301-311.	0.6	5
135	A unitary convolution approximation for the impact-parameter dependent electronic energy loss. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 1-9.	0.6	92
136	Indications for a new electron-ejection mechanism: Nuclear-track guided electrons induced by fast heavy ions in insulators. Nuclear Instruments & Methods in Physics Research B, 1998, 135, 466-470.	0.6	1
137	Angular dependent energy loss of 0.8â€“2.0 MeV He ions channeled along the Siã€ˆ1 0 0ã€‰ direction. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 132-136.	0.6	12
138	Improved calculations of the electronic energy loss under channeling conditions. Nuclear Instruments & Methods in Physics Research B, 1998, 136-138, 125-131.	0.6	16
139	An experimental determination of electron temperatures in the center of nuclear tracks in amorphous carbon. Nuclear Instruments & Methods in Physics Research B, 1998, 146, 131-136.	0.6	27
140	Impact-parameter dependence of the electronic energy loss of fast ions. Physical Review A, 1998, 58, 3796-3801.	1.0	114
141	High Fluence Ion Irradiation of Thin Fullertte Films. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 911-962.	0.6	6
142	Angular dependence of the electronic energy loss of 800-keV He ionsalong the Siã€ˆ100ã€‰ direction. Physical Review B, 1997, 55, 4332-4342.	1.1	33
143	Indications of Nuclear-Track-Guided Electrons Induced by Fast Heavy Ions in Insulators. Physical Review Letters, 1997, 79, 1821-1824.	2.9	48
144	Electronic stopping power ofB10in Si in random and ã€ˆ100ã€‰ channeling directions. Physical Review B, 1997, 55, 13651-13657.	1.1	15

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145	Compaction of Fullerite Films after High Fluence Ion and Electron Bombardment. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 511-526.	0.6	5
146	Electronic stopping power of 10B channeled into the Si â€˜100â€‰ axial direction. Nuclear Instruments & Methods in Physics Research B, 1997, 127-128, 107-111.	0.6	0
147	Coupled-channel calculations of the electronic energy loss. Nuclear Instruments & Methods in Physics Research B, 1997, 132, 264-275.	0.6	22
148	Very large sputtering yields of ion irradiated C60 films. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 226, 217-222.	0.9	16
149	Damage and sputtering of fullerene by low energy medium and heavy ions. Nuclear Instruments & Methods in Physics Research B, 1996, 113, 244-247.	0.6	12
150	Evidence for convoy-electron shifts due to induced potentials. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 215-219.	0.6	6
151	Stopping mechanisms of negative heavy particles in gas targets. Nuclear Instruments & Methods in Physics Research B, 1996, 115, 106-110.	0.6	7
152	Nonperturbative treatment of the screened-Coulomb contribution of projectile-electron loss. Physical Review A, 1996, 54, 2983-2990.	1.0	31
153	Ion Implantation into Fullerene. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 535-552.	0.6	2
154	Comprehensive analysis of the stopping power of antiprotons and negative muons in He and gas targets. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 307-321.	0.6	65
155	Ranges in Si and lighter mono and multi-element targets. Materials Science and Engineering Reports, 1995, 15, 1-83.	14.8	47
156	Electronic stopping power of â€˜100â€‰ axial-channelled He ions in Si crystals. Nuclear Instruments & Methods in Physics Research B, 1995, 106, 51-54.	0.6	46
157	Dominant two-center electron-electron interactions in collisions of 120-MeVNe6+ions with gas targets. Physical Review A, 1995, 52, 387-391.	1.0	10
158	On classical calculations of the electronic stopping power at intermediate energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 425-433.	0.6	22
159	Double Ionization of Helium by 40 MeV Protons. Europhysics Letters, 1994, 27, 341-346.	0.7	6
160	Electronic stopping based on atomic and solid-state wavefunctions. Radiation Effects and Defects in Solids, 1994, null, 137-156.	0.4	21
161	Angular dependence of energy loss in proton-helium collisions. Physical Review Letters, 1994, 72, 2159-2162.	2.9	36
162	Range parameters of Er, Ga and F implanted into SiC films. Nuclear Instruments & Methods in Physics Research B, 1994, 85, 579-583.	0.6	5

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163	On the treatment of light-ion electronic stopping in dense matter. Nuclear Instruments & Methods in Physics Research B, 1994, 90, 10-19.	0.6	13
164	Range parameters of Au and Cs implanted into BN and SiC films. Nuclear Instruments & Methods in Physics Research B, 1993, 80-81, 53-57.	0.6	8
165	Nonperturbative stopping-power calculation for bare and neutral hydrogen incident on He. Physical Review A, 1993, 47, 1119-1122.	1.0	66
166	Influence of nuclear track potentials in insulators on the emission of target Auger electrons. Physical Review Letters, 1992, 69, 628-631.	2.9	72
167	On the Experimental Investigation of Ion Beam Mixing in Thin Film Bilayers, Study of the Fe-Al Case. Physica Status Solidi A, 1992, 129, 453-465.	1.7	10
168	Energy loss of slow ions: one-band calculation for alkaline metals. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 163, 439-446.	0.9	25
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