

Andreas Markwitz

List of Publications by Citations

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236
papers

3,929
citations

35
h-index

52
g-index

248
ext. papers

4,212
ext. citations

2.6
avg, IF

5.12
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 236 | UV and humidity sensing properties of ZnO nanorods prepared by the arc discharge method. <i>Nanotechnology</i> , 2009 , 20, 245502 | 3.4 | 196 |
| 235 | Controlling preferred orientation and electrical conductivity of zinc oxide thin films by post growth annealing treatment. <i>Applied Surface Science</i> , 2016 , 367, 52-58 | 6.7 | 187 |
| 234 | Urban air quality in the Asian region. <i>Science of the Total Environment</i> , 2008 , 404, 103-12 | 10.2 | 133 |
| 233 | Precipitation, ripening and chemical effects during annealing of Ge+ implanted SiO ₂ layers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 148, 969-974 | 1.2 | 105 |
| 232 | Multimodal impurity redistribution and nanocluster formation in Ge implanted silicon dioxide films. <i>Applied Physics Letters</i> , 1997 , 71, 3215-3217 | 3.4 | 89 |
| 231 | Air pollution by fine particulate matter in Bangladesh. <i>Atmospheric Pollution Research</i> , 2013 , 4, 75-86 | 4.5 | 76 |
| 230 | Chemical Characterization and Source Identification of Particulate Matter at an Urban Site of Navi Mumbai, India. <i>Aerosol and Air Quality Research</i> , 2011 , 11, 560-569 | 4.6 | 74 |
| 229 | Photocatalytic titania coatings. <i>Current Applied Physics</i> , 2004 , 4, 189-192 | 2.6 | 68 |
| 228 | Structural and photoluminescence properties of Gd implanted ZnO single crystals. <i>Journal of Applied Physics</i> , 2011 , 110, 033534 | 2.5 | 67 |
| 227 | Properties of nitrogen implanted and electron beam annealed bulk ZnO. <i>Journal of Applied Physics</i> , 2010 , 107, 103518 | 2.5 | 63 |
| 226 | Size-controlled synthesis and gas sensing application of tungsten oxide nanostructures produced by arc discharge. <i>Nanotechnology</i> , 2011 , 22, 335702 | 3.4 | 62 |
| 225 | Identification of Sources of Fine and Coarse Particulate Matter in Dhaka, Bangladesh. <i>Aerosol and Air Quality Research</i> , 2010 , 10, 345-353 | 4.6 | 62 |
| 224 | Fabrication of surface magnetic nanoclusters using low energy ion implantation and electron beam annealing. <i>Nanotechnology</i> , 2011 , 22, 115602 | 3.4 | 61 |
| 223 | Raman scattering investigation of hydrogen and nitrogen ion implanted ZnO thin films. <i>Current Applied Physics</i> , 2008 , 8, 291-294 | 2.6 | 61 |
| 222 | Group-IV and V ion implantation into nanomaterials and elemental analysis on the nanometre scale. <i>International Journal of Nanotechnology</i> , 2009 , 6, 369 | 1.5 | 60 |
| 221 | Ion Beam Analysis of Amorphous and Nanocrystalline Group III-V Nitride and ZnO Thin Films. <i>Journal of Electronic Materials</i> , 2007 , 36, 472-482 | 1.9 | 58 |
| 220 | Exploring the Variation between EC and BC in a Variety of Locations. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 1-7 | 4.6 | 58 |

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| 219 | Preparation of SiO ₂ films with embedded Si nanocrystals by reactive r.f. magnetron sputtering. <i>Thin Solid Films</i> , 1998 , 330, 202-205 | 2.2 | 56 |
| 218 | Morphology and characterization of TiO ₂ nanoparticles synthesized by arc discharge. <i>Chemical Physics Letters</i> , 2012 , 521, 86-90 | 2.5 | 55 |
| 217 | Effect of annealing on the structural, electrical and magnetic properties of Gd-implanted ZnO thin films. <i>Journal of Materials Science</i> , 2012 , 47, 1119-1126 | 4.3 | 55 |
| 216 | Air particulate matter pollution in Ulaanbaatar, Mongolia: determination of composition, source contributions and source locations. <i>Atmospheric Pollution Research</i> , 2011 , 2, 126-137 | 4.5 | 55 |
| 215 | Modification of electrical conductivity in RF magnetron sputtered ZnO films by low-energy hydrogen ion implantation. <i>Current Applied Physics</i> , 2006 , 6, 495-498 | 2.6 | 54 |
| 214 | Carbonaceous aerosols in an urban tunnel. <i>Atmospheric Environment</i> , 2011 , 45, 4463-4469 | 5.3 | 52 |
| 213 | Large room temperature magnetoresistance in ion beam synthesized surface Fe nanoclusters on SiO ₂ . <i>Applied Physics Letters</i> , 2011 , 98, 053111 | 3.4 | 47 |
| 212 | Modulation of field emission properties of ZnO nanorods during arc discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8239-43 | 1.3 | 47 |
| 211 | Field emission properties of self-assembled silicon nanostructures on n- and p-type silicon. <i>Applied Physics Letters</i> , 2004 , 85, 3277-3279 | 3.4 | 47 |
| 210 | Ion-assisted deposition of amorphous GaN: Raman and optical properties. <i>Applied Physics Letters</i> , 2001 , 78, 619-621 | 3.4 | 46 |
| 209 | Long range transport of soil dust and smoke pollution in the South Asian region. <i>Atmospheric Pollution Research</i> , 2011 , 2, 151-157 | 4.5 | 45 |
| 208 | Organic and Black Carbon in PM _{2.5} at an Urban Site at Dhaka, Bangladesh. <i>Aerosol and Air Quality Research</i> , 2012 , 12, 1062-1072 | 4.6 | 44 |
| 207 | Preliminary study of the sources of ambient air pollution in Serpong, Indonesia. <i>Atmospheric Pollution Research</i> , 2011 , 2, 190-196 | 4.5 | 40 |
| 206 | Non-diadromous recruitment in coastal populations of common bully (<i>Gobiomorphus cotidianus</i>). <i>New Zealand Journal of Marine and Freshwater Research</i> , 2003 , 37, 301-313 | 1.3 | 39 |
| 205 | The formation of narrow nanocluster bands in Ge-implanted SiO ₂ -layers. <i>Solid-State Electronics</i> , 1999 , 43, 1159-1163 | 1.7 | 39 |
| 204 | Nanostructuring of silicon (100) using electron beam rapid thermal annealing. <i>Journal of Applied Physics</i> , 2004 , 96, 605-609 | 2.5 | 38 |
| 203 | Flux pinning by discontinuous columnar defects in 74MeV Ag-irradiated YBa ₂ Cu ₃ O ₇ coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 2060-2067 | 1.3 | 37 |
| 202 | Identification of particulate matter sources on an hourly time-scale in a wood burning community. <i>Environmental Science & Technology</i> , 2012 , 46, 4767-74 | 10.3 | 36 |

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|-----|---|-----|----|
| 201 | Effect of substrate hardness on splat morphology in high-velocity thermal spray coatings. <i>Journal of Thermal Spray Technology</i> , 2006 , 15, 663-669 | 2.5 | 32 |
| 200 | Magnetic and optical properties of the InCrN system. <i>Journal of Applied Physics</i> , 2005 , 98, 043903 | 2.5 | 30 |
| 199 | Microstructural investigation of ion beam synthesised germanium nanoclusters embedded in SiO ₂ layers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998 , 142, 338-348 | 1.2 | 29 |
| 198 | Ion beam analysis of ion-assisted deposited amorphous GaN. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 190, 620-624 | 1.2 | 28 |
| 197 | AIR PARTICULATE RESEARCH CAPABILITY AT THE NEW ZEALAND ION BEAM ANALYSIS FACILITY USING PIXE AND IBA TECHNIQUES. <i>International Journal of PIXE</i> , 2005 , 15, 249-255 | 0.1 | 28 |
| 196 | ²⁶ Al tracer diffusion in titanium doped single crystalline α -Al ₂ O ₃ . <i>Solid State Ionics</i> , 2008 , 179, 373-379 | 3.3 | 27 |
| 195 | Quantitative study of molecular N ₂ trapped in disordered GaN:O films. <i>Physical Review B</i> , 2004 , 70, | 3.3 | 27 |
| 194 | Chemical bonding and interface analysis of ultrathin silicon-nitride layers produced by ion implantation and Electron Beam Rapid Thermal Annealing (EB-RTA). <i>Applied Physics A: Solids and Surfaces</i> , 1994 , 59, 435-439 | | 27 |
| 193 | Hydrogen profiles of thin PVD silicon nitride films using elastic recoil detection analysis. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992 , 68, 218-222 | 1.2 | 27 |
| 192 | Influence of environmental conditions on carbonaceous particle concentrations within New Zealand. <i>Journal of Aerosol Science</i> , 2010 , 41, 134-142 | 4.3 | 24 |
| 191 | Homogeneously size distributed Ge nanoclusters embedded in SiO ₂ layers produced by ion beam synthesis. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 147, 361-366 | 1.2 | 24 |
| 190 | Investigations of ultrathin silicon nitride layers produced by low-energy ion implantation and EB-RTA. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1994 , 89, 362-368 | 1.2 | 24 |
| 189 | Change of surface structure of thin silicon nitride layers during electron beam rapid thermal annealing. <i>Applied Physics Letters</i> , 1994 , 64, 2652-2654 | 3.4 | 24 |
| 188 | Composition and source contributions of air particulate matter pollution in a New Zealand suburban town. <i>Atmospheric Pollution Research</i> , 2012 , 3, 143-147 | 4.5 | 23 |
| 187 | Nitrogen profiles of thin sputtered PVD silicon nitride films. <i>Vacuum</i> , 1993 , 44, 367-370 | 3.7 | 23 |
| 186 | Hydrogen-related excitons and their excited-state transitions in ZnO. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 22 |
| 185 | Formation of SiC-surface nanocrystals by ion implantation and electron beam rapid thermal annealing. <i>Applied Physics Letters</i> , 2005 , 86, 013108 | 3.4 | 22 |
| 184 | Microstructural investigation of Sn nanoclusters in double-energy implanted and annealed SiO ₂ layers with cross-sectional TEM. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 152, 319-324 ^{1.2} | 1.2 | 22 |

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| 183 | Role of oxides in high velocity thermal spray coatings. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 190, 518-523 | 1.2 | 20 |
| 182 | Evidence of mechanical interlocking of NiCr particles thermally sprayed onto Al substrates. <i>Journal of Thermal Spray Technology</i> , 2005 , 14, 524-529 | 2.5 | 19 |
| 181 | Lithium and boron distributions in geological samples. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999 , 158, 568-574 | 1.2 | 19 |
| 180 | Ultra-smooth diamond-like carbon coatings with high elasticity deposited at low temperature by direct ion beam deposition. <i>Surface and Coatings Technology</i> , 2014 , 258, 956-962 | 4.4 | 18 |
| 179 | Transition Metal Ion Implantation into Diamond-Like Carbon Coatings: Development of a Base Material for Gas Sensing Applications. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7 | 3.2 | 18 |
| 178 | Restrictions on fluorine depth profiling for exposure age dating in archaeological bones. <i>Journal of Archaeological Science</i> , 2008 , 35, 535-552 | 2.9 | 18 |
| 177 | Universal characteristics of resonant-tunneling field emission from nanostructured surfaces. <i>Journal of Applied Physics</i> , 2007 , 101, 123712 | 2.5 | 18 |
| 176 | Sources of particulate matter pollution in a small New Zealand city. <i>Atmospheric Pollution Research</i> , 2014 , 5, 572-580 | 4.5 | 17 |
| 175 | Structural and magnetic properties of low-energy Gd implanted ZnO single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 272, 100-103 | 1.2 | 17 |
| 174 | Oxygen and hydrogen profiles in metal surfaces following plasma immersion ion implantation of helium. <i>Surface and Coatings Technology</i> , 2001 , 136, 217-222 | 4.4 | 17 |
| 173 | Characterisation of ¹³ C implantations in silicon by NRA [¹³ C(p, α) ¹⁴ N] and RBS. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 483-486 | | 17 |
| 172 | Low-energy ¹⁵ N implantation in carbon for the synthesis of carbon nitride layers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 113, 235-238 | 1.2 | 17 |
| 171 | Characterization of airborne particulate matter collected at Jakarta roadside of an arterial road. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 297, 165-169 | 1.5 | 16 |
| 170 | Carbonaceous aerosols in a wood burning community in rural New Zealand. <i>Atmospheric Pollution Research</i> , 2013 , 4, 245-249 | 4.5 | 16 |
| 169 | Depth profile analysis: STEM-EDX vs. RBS. <i>Surface and Interface Analysis</i> , 1998 , 26, 359-366 | 1.5 | 16 |
| 168 | SiC nanoboulders on silicon by nuclear reaction analysis study of low energy ¹³ C implanted and subsequently electron beam annealed (1 0 0) silicon. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 217, 583-588 | 1.2 | 16 |
| 167 | PIXE analysis of PM _{2.5} and PM _(2.5-10) for air quality assessment of Islamabad, Pakistan: application of chemometrics for source identification. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012 , 47, 2016-27 | 2.3 | 15 |
| 166 | Comparison of DC and RF Sputtered Zinc Oxide Films with Post-Annealing and Dry Etching and Effect on Crystal Composition. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 7555-7560 | 1.4 | 14 |

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| 165 | Ion beam analysis of nanoporous surfaces produced by He-implantation and oxidised by plasma-immersion ion-implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 161-163, 1048-1053 | 1.2 | 14 |
| 164 | Low energy 15N and 14N implantation in chromium analysed by NRA and RBS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1993 , 80-81, 459-462 | 1.2 | 14 |
| 163 | A novel radial anode layer ion source for inner wall pipe coating and materials modification--hydrogenated diamond-like carbon coatings from butane gas. <i>Review of Scientific Instruments</i> , 2014 , 85, 085118 | 1.7 | 13 |
| 162 | Room temperature diamond-like carbon coatings produced by low energy ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 331, 144-148 | 1.2 | 13 |
| 161 | Synthesis of Zinc Oxide Nanorods and their Sensing Properties. <i>Materials Science Forum</i> , 2011 , 700, 150-153 | 1.5 | 13 |
| 160 | Effect of crystal orientation on self-assembled silicon nanostructures formed by electron-beam annealing. <i>Journal of Applied Physics</i> , 2005 , 97, 094301 | 2.5 | 13 |
| 159 | Characterisation of polycrystalline gallium nitride grown by plasma-assisted evaporation. <i>Current Applied Physics</i> , 2004 , 4, 225-228 | 2.6 | 13 |
| 158 | Particulate matter sources on an hourly timescale in a rural community during the winter. <i>Journal of the Air and Waste Management Association</i> , 2014 , 64, 501-8 | 2.4 | 12 |
| 157 | Sources and transport of particulate matter on an hourly time-scale during the winter in a New Zealand urban valley. <i>Urban Climate</i> , 2014 , 10, 644-655 | 6.8 | 12 |
| 156 | Air quality study of Islamabad: preliminary results. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012 , 293, 351-358 | 1.5 | 12 |
| 155 | Atomic transport in metastable compounds: Case study of self-diffusion in Si ₁₀₀ N films using neutron reflectometry. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 12 |
| 154 | Reliable micro-measurement of strontium is the key to cracking the life-history code in the fish otolith. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000 , 168, 109-116 | 1.2 | 12 |
| 153 | Characterization of stoichiometric surface and buried SiN films fabricated by ion implantation using extended x-ray absorption fine structure. <i>Journal of Applied Physics</i> , 1996 , 80, 2720-2727 | 2.5 | 12 |
| 152 | Evolution of the structure and magneto-optical properties of ion beam synthesized iron nanoclusters. <i>Journal of Materials Science</i> , 2012 , 47, 1127-1134 | 4.3 | 11 |
| 151 | Strong Blue and Violet Photo- and Electroluminescence from Ge- and Si-Implanted Silicon Dioxide. <i>Physica Status Solidi A</i> , 1998 , 165, 31-35 | | 11 |
| 150 | PIXE analysis of sand and soil from Ulaanbaatar and Karakorum, Mongolia. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 4010-4019 | 1.2 | 11 |
| 149 | Field emission properties of self-assembled silicon nanostructures formed by electron beam annealing. <i>Current Applied Physics</i> , 2006 , 6, 503-506 | 2.6 | 11 |
| 148 | Characterisation of thin sputtered silicon nitride films by NRA, ERDA, RBS and SEM. <i>Freseniusf Journal of Analytical Chemistry</i> , 1993 , 346, 177-180 | | 11 |

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| 147 | High Energy Radial Deposition of Diamond-Like Carbon Coatings. <i>Coatings</i> , 2015 , 5, 326-337 | 2.9 | 10 |
| 146 | Single phase nanocrystalline GaMnN thin films with high Mn content. <i>Journal of Applied Physics</i> , 2006 , 100, 084310 | 2.5 | 10 |
| 145 | Simultaneous formation of SiC and Si nanostructures on silicon by local ion implantation and electron beam annealing. <i>Applied Physics Letters</i> , 2006 , 89, 153122 | 3.4 | 10 |
| 144 | Ion beam analysis of light elements in nanoporous surfaces produced by single- and multiple-energy helium ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 190, 718-722 | 1.2 | 10 |
| 143 | Formation of micrometer sized crater shaped pits in silicon by low-energy ²² Ne+ implantation and electron beam annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 206, 179-183 | 1.2 | 10 |
| 142 | Height control of silicon nano-whiskers embedded in ultra thin silicon nitride layers by rapid thermal annealing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 11, 110-113 | 3 | 10 |
| 141 | Decorative black coatings on titanium surfaces based on hard bi-layered carbon coatings synthesized by carbon implantation. <i>Surface and Coatings Technology</i> , 2019 , 358, 386-393 | 4.4 | 10 |
| 140 | Si ion beams from Penning ion source based implanter systems for near-surface isotopic purification of silicon. <i>Review of Scientific Instruments</i> , 2018 , 89, 123305 | 1.7 | 10 |
| 139 | Ferromagnetic order in diamond-like carbon films by Co implantation. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 055002 | 3 | 9 |
| 138 | Optical conductivity and x-ray absorption and emission study of the band structure of MnN films. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 9 |
| 137 | Formation of large SiC nanocrystals on Si(1 0 0) by ¹² C implantation and electron beam annealing. <i>Current Applied Physics</i> , 2006 , 6, 507-510 | 2.6 | 9 |
| 136 | Optical and compositional studies of SiN thin films with conventional and synchrotron radiation ellipsometry. <i>Journal of Applied Physics</i> , 1993 , 73, 8514-8518 | 2.5 | 9 |
| 135 | Characterization of the Structural and Electrical Properties of Ion Beam Sputtered ZnO Films. <i>Materials Science Forum</i> , 2011 , 700, 49-52 | 0.4 | 8 |
| 134 | Ion beam analysis of rare earth nitride thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 1558-1561 | 1.2 | 8 |
| 133 | Atmospheric pressure operation of a field emission diode based on self-assembled silicon nanostructures. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 1445 | | 8 |
| 132 | TRACE ELEMENT ANALYSIS OF SOUTH INDIAN GALLSTONES BY PIXE. <i>International Journal of PIXE</i> , 2002 , 12, 137-144 | 0.1 | 8 |
| 131 | Surface-near analyses of ultra thin silicon nitride layers by NRA, channeling RBS, FT IR ellipsometry and AFM. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 734-739 | | 8 |
| 130 | Self-assembly of magnetic nanoclusters in diamond-like carbon by diffusion processes enhanced by collision cascades. <i>Applied Physics Letters</i> , 2017 , 110, 141901 | 3.4 | 7 |

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| 129 | Atomic retention and near infrared photoluminescence from PbSe nanocrystals fabricated by sequential ion implantation and electron beam annealing. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 307, 154-157 | 1.2 | 7 |
| 128 | Correlation between microstructural and magnetic properties of Tb implanted ZnO 2013 , | | 7 |
| 127 | Synthesis and structure of Na ⁺ -intercalated WO ₃ (4,4-bipyridyl) _{0.5} . <i>Chemical Communications</i> , 2010 , 46, 4261-3 | 5.8 | 7 |
| 126 | SEM/EDS study of metal-assisted oxide desorption. <i>Surface Science</i> , 2010 , 604, 1531-1535 | 1.8 | 7 |
| 125 | Improved current-voltage characteristics of downstream plasma enhanced chemical vapor deposition SiN _x deposited at low temperature by using He as a dilution gas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1997 , 15, 1864-1873 | 2.9 | 7 |
| 124 | The strontium content of roe collected from spawning brown trout <i>Salmo trutta</i> L. reflects recent otolith microchemistry. <i>Journal of Fish Biology</i> , 2008 , 72, 1847-1854 | 1.9 | 7 |
| 123 | Self-assembled germanium nanostructures formed using electron-beam annealing. <i>Current Applied Physics</i> , 2008 , 8, 276-279 | 2.6 | 7 |
| 122 | Sub-micron channeling contrast microscopy on reactive ion etched deep Si microstructures. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 190, 339-344 | 1.2 | 7 |
| 121 | Uptake of light elements of nanoporous layers formed by helium ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 206, 1056-1061 | 1.2 | 7 |
| 120 | Layer and interface analysis of ultra thin ion beam produced silicon nitride layers by NRA and TEM. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996 , 112, 284-288 | 1.2 | 7 |
| 119 | Characterization of SiN thin films with spectroscopic ellipsometry. <i>Physica B: Condensed Matter</i> , 1993 , 185, 342-347 | 2.8 | 7 |
| 118 | Near-surface hydrogen depletion of diamond-like carbon films produced by direct ion deposition. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016 , 371, 230-234 | 1.2 | 6 |
| 117 | Formation of nanoclusters with varying Pb/Se concentration and distribution after sequential Pb ⁺ and Se ⁺ ion implantation into SiO ₂ . <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 273, 199-202 | 1.2 | 6 |
| 116 | Controlled fabrication of Si nanostructures by high vacuum electron beam annealing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009 , 41, 1853-1858 | 3 | 6 |
| 115 | The Effect of Substrate Surface Oxides on the Bonding of NiCr Alloy Particles HVAF Thermally Sprayed onto Aluminum Substrates. <i>Journal of Thermal Spray Technology</i> , 2010 , 19, 1024-1031 | 2.5 | 6 |
| 114 | Light element detection in heavy matrices by high energy backscattering spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997 , 122, 685-688 | 1.2 | 6 |
| 113 | Characterization of the interdiffusion in Au-Al layers by RBS. <i>Fresenius Journal of Analytical Chemistry</i> , 1997 , 358, 59-63 | | 6 |
| 112 | Nitrogen depth distribution, interface and structure analysis of SiN _x layers produced by low-energy ion implantation. <i>Mikrochimica Acta</i> , 1997 , 125, 337-341 | 5.8 | 6 |

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| 111 | Investigation of the atomic interdiffusion and phase formation in ion beam-irradiated thin Cu ₂ Al and Ag ₂ Al multilayers by in situ RBS and XRD. <i>Surface and Interface Analysis</i> , 1998 , 26, 160-174 | 1.5 | 6 |
| 110 | Nanostructuring at the surface of low-energy lead-implanted silicon by electron beam annealing. <i>Surface and Interface Analysis</i> , 2008 , 40, 931-934 | 1.5 | 6 |
| 109 | Enhanced Flux Pinning in MOD Second Generation HTS Wires by Silver- and Copper-Ion Irradiation. <i>IEEE Transactions on Applied Superconductivity</i> , 2007 , 17, 3306-3309 | 1.8 | 6 |
| 108 | Patterned growth of self-assembled silicon nanostructures by ion implantation and electron beam annealing. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2005 , 23, 1459 | | 6 |
| 107 | EFFECT OF ION-ENERGY ON THE PROPERTIES OF AMORPHOUS GaN FILMS PRODUCED BY ION-ASSISTED DEPOSITION. <i>Modern Physics Letters B</i> , 2001 , 15, 1355-1360 | 1.6 | 6 |
| 106 | Collision cascades enhanced hydrogen redistribution in cobalt implanted hydrogenated diamond-like carbon films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017 , 394, 6-11 | 1.2 | 5 |
| 105 | Long term airborne lead pollution monitoring in Bandung, Indonesia. <i>International Journal of PIXE</i> , 2014 , 24, 151-159 | 0.1 | 5 |
| 104 | Size-fractionated airborne particulate matter characterization of a residential area near Islamabad airport by IBA methods. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012 , 293, 279-287 | 1.5 | 5 |
| 103 | Growth temperature and plasma power effects on N incorporation in InSbN grown by molecular beam epitaxy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 263-265 | 2.5 | 5 |
| 102 | AIR PARTICULATE MATTER POLLUTION IN ULAANBAATAR CITY, MONGOLIA. <i>International Journal of PIXE</i> , 2012 , 22, 165-171 | 0.1 | 5 |
| 101 | Surface and layer state of thin Au ₂ Al layers after high-energy ion irradiation measured by RBS, scanning ion microprobe and SEM. <i>Surface and Interface Analysis</i> , 1997 , 25, 889-895 | 1.5 | 5 |
| 100 | PIXE ANALYSIS OF SEDIMENTS AFFECTED BY THE DECEMBER 2004 INDIAN OCEAN TSUNAMI. <i>International Journal of PIXE</i> , 2008 , 18, 227-240 | 0.1 | 5 |
| 99 | Surface cavities produced by high-dose nitrogen ion implantation into silicon. <i>Surface and Interface Analysis</i> , 2007 , 39, 698-701 | 1.5 | 5 |
| 98 | Oxygen uptake of InN thin films as determined by ion beam analysis. <i>Thin Solid Films</i> , 2007 , 515, 3736-3739 | | 5 |
| 97 | CHARACTERIZATION OF ZnO FILMS BY ION BEAM ANALYSIS. <i>International Journal of Modern Physics B</i> , 2006 , 20, 4655-4660 | 1.1 | 5 |
| 96 | GROWTH OF SiC NANOSTRUCTURES ON Si (100) USING LOW ENERGY CARBON ION IMPLANTATION AND ELECTRON BEAM RAPID THERMAL ANNEALING. <i>International Journal of Nanoscience</i> , 2004 , 03, 425-430 | 0.6 | 5 |
| 95 | Microprobe analysis of light elements in nanoporous surfaces produced by helium ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 210, 543-547 | 1.2 | 5 |
| 94 | Co ₂ MnX (XSi, Ge, Sn, SbSn) thin films grown by pulsed-laser deposition. <i>Journal of Crystal Growth</i> , 2005 , 275, e1183-e1188 | 1.6 | 5 |

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| 93 | CHRONOSEQUENCES OF STRONTIUM IN THE OTOLITHS OF TWO NEW ZEALAND MIGRATORY FRESHWATER FISH, INANGA (GALAXIAS MACULATUS) AND KOARO (G. BREVIPINNIS). <i>International Journal of PIXE</i> , 2005 , 15, 95-101 | 0.1 | 5 |
| 92 | HEAVY METAL POLLUTION STUDIES OF SUSPENDED SEDIMENTS IN WAIWHETU STREAM WATER BY PIXE. <i>International Journal of PIXE</i> , 2002 , 12, 189-197 | 0.1 | 5 |
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