## Hans G Högberg

List of Publications by Year in descending order

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120 papers 4,829 citations

35 h-index 65 g-index

120 all docs

120 docs citations

120 times ranked

3244 citing authors

| #  | Article  | IF  | Citations |
|----|--|-----|-----------|
| 1  | Review of transition-metal diboride thin films. Vacuum, 2022, 196, 110567.   | 3.5 | 48        |
| 2  | Ti thin films deposited by high-power impulse magnetron sputtering in an industrial system: Process parameters for a low surface roughness. Vacuum, 2022, 195, 110698.   | 3.5 | 8         |
| 3  | Effect of low-energy ion assistance on the properties of sputtered ZrB2 films. Vacuum, 2022, 195, 110688.  | 3.5 | 3         |
| 4  | Chemical vapor deposition of sp2-boron nitride films on Al2O3 (0001), (112 $\hat{A}$ -), (11 $\hat{A}$ -02), and (101 $\hat{A}$ -) substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, .                             | 2.1 | 3         |
| 5  | Rhombohedral boron nitride epitaxy on ZrB2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .  | 2.1 | 7         |
| 6  | Elucidating Pathfinding Elements from the Kubi Gold Mine in Ghana. Minerals (Basel, Switzerland), 2021, 11, 912.   | 2.0 | 1         |
| 7  | Rhombohedral and turbostratic boron nitride: X-ray diffraction and photoluminescence signatures. Applied Physics Letters, 2021, 119, .   | 3.3 | 9         |
| 8  | Reactive sputtering of CSx thin solid films using CS2 as precursor. Vacuum, 2020, 182, 109775.   | 3.5 | 13        |
| 9  | Chemical vapor deposition of sp2-boron nitride on Si(111) substrates from triethylboron and ammonia: Effect of surface treatments. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .   | 2.1 | 1         |
| 10 | Plasma CVD of B–C–N thin films using triethylboron in argon–nitrogen plasma. Journal of Materials Chemistry C, 2020, 8, 4112-4123.   | 5.5 | 12        |
| 11 | The Effect of N, C, Cr, and Nb Content on Silicon Nitride Coatings for Joint Applications. Materials, 2020, 13, 1896.  | 2.9 | 10        |
| 12 | Surface-Inhibiting Effect in Chemical Vapor Deposition of Boron–Carbon Thin Films from Trimethylboron. Chemistry of Materials, 2019, 31, 5408-5412.  | 6.7 | 14        |
| 13 | Thermodynamic stability of hexagonal and rhombohedral boron nitride under chemical vapor deposition conditions from van der Waals corrected first principles calculations. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, . | 2.1 | 7         |
| 14 | Reactive magnetron sputtering of tungsten target in krypton/trimethylboron atmosphere. Thin Solid Films, 2019, 688, 137384.  | 1.8 | 6         |
| 15 | A simple model for non-saturated reactive sputtering processes. Thin Solid Films, 2019, 688, 137413.   | 1.8 | 10        |
| 16 | The Effect of Coating Density on Functional Properties of SiNx Coated Implants. Materials, 2019, 12, 3370.   | 2.9 | 8         |
| 17 | Atom probe tomography field evaporation characteristics and compositional corrections of ZrB2. Materials Characterization, 2019, 156, 109871.  | 4.4 | 10        |
| 18 | Compositional dependence of epitaxial Tin+1SiCn MAX-phase thin films grown from a Ti3SiC2 compound target. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .   | 2.1 | 8         |

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|----|---|-----|-----------|
| 19 | Towards Functional Silicon Nitride Coatings for Joint Replacements. Coatings, 2019, 9, 73.  | 2.6 | 14        |
| 20 | Thermal chemical vapor deposition of epitaxial rhombohedral boron nitride from trimethylboron and ammonia. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .  | 2.1 | 11        |
| 21 | Strategy for simultaneously increasing both hardness and toughness in ZrB2-rich Zr1â^'xTaxBy thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .  | 2.1 | 42        |
| 22 | Electronic structure of $\hat{l}^2$ -Ta films from X-ray photoelectron spectroscopy and first-principles calculations. Applied Surface Science, 2019, 470, 607-612.   | 6.1 | 20        |
| 23 | Silicon carbonitride thin films deposited by reactive high power impulse magnetron sputtering. Surface and Coatings Technology, 2018, 335, 248-256.   | 4.8 | 14        |
| 24 | Review Article: Challenge in determining the crystal structure of epitaxial 0001 oriented sp2-BN films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .   | 2.1 | 32        |
| 25 | Chemical bonding in epitaxial ZrB2 studied by X-ray spectroscopy. Thin Solid Films, 2018, 649, 89-96.   | 1.8 | 20        |
| 26 | Cubic boron phosphide epitaxy on zirconium diboride. Journal of Crystal Growth, 2018, 483, 115-120.   | 1.5 | 9         |
| 27 | SiNx coatings deposited by reactive high power impulse magnetron sputtering: Process parameters influencing the residual coating stress. Journal of Applied Physics, 2017, 121, .   | 2.5 | 20        |
| 28 | Synthesis and properties of CS <sub><i>x</i></sub> F <sub><i>y</i></sub> thin films deposited by reactive magnetron sputtering in an Ar/SF <sub>6</sub> discharge. Journal of Physics Condensed Matter, 2017, 29, 195701.   | 1.8 | 9         |
| 29 | Bonding Structures of ZrH <sub><i>x</i></sub> Thin Films by X-ray Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 25750-25758.  | 3.1 | 16        |
| 30 | Electronic properties and bonding in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Zr</mml:mi><mml:mi><mml:mi wathvariant="normal">H</mml:mi><mml:mi></mml:mi></mml:mi></mml:mrow></mml:math> thin films investigated by valence-band x-ray photoelectron spectroscopy. Physical Review B, 2017, 96, . | 3.2 | 9         |
| 31 | Gas Phase Chemistry of Trimethylboron in Thermal Chemical Vapor Deposition. Journal of Physical Chemistry C, 2017, 121, 26465-26471.  | 3.1 | 16        |
| 32 | Magnetron Sputter Epitaxy of High-Quality GaN Nanorods on Functional and Cost-Effective Templates/Substrates. Energies, 2017, 10, 1322.   | 3.1 | 18        |
| 33 | Influence of Substrate Heating and Nitrogen Flow on the Composition, Morphological and Mechanical Properties of SiNx Coatings Aimed for Joint Replacements. Materials, 2017, 10, 173.   | 2.9 | 15        |
| 34 | Stoichiometric silicon oxynitride thin films reactively sputtered in Ar/N2O plasmas by HiPIMS. Journal Physics D: Applied Physics, 2016, 49, 135309.  | 2.8 | 2         |
| 35 | Early stages of growth and crystal structure evolution of boron nitride thin films. Japanese Journal of Applied Physics, 2016, 55, 05FD06.  | 1.5 | 8         |
| 36 | Theoretical and experimental study of metastable solid solutions and phase stability within the immiscible Ag-Mo binary system. Journal of Applied Physics, 2016, 119, .  | 2.5 | 14        |

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|----|--|-----|-----------|
| 37 | Hard and elastic epitaxial ZrB2 thin films on Al2O3(0001) substrates deposited by magnetron sputtering from a ZrB2 compound target. Acta Materialia, 2016, 111, 166-172.   | 7.9 | 47        |
| 38 | Theoretical Prediction and Synthesis of CS $<$ sub $>$ <i<math>&gt;x<!--</math-->i<math>&gt;</math>F<math>&lt;</math>sub<math>&gt;</math><i<math>&gt;y<!--</math-->i<math>&gt;</math> Thin Films. Journal of Physical Chemistry C, 2016, 120, 9527-9534.</i<math></i<math> | 3.1 | 6         |
| 39 | ZrB2 thin films deposited on GaN(0001) by magnetron sputtering from a ZrB2 target. Journal of Crystal Growth, 2016, 453, 71-76.  | 1.5 | 9         |
| 40 | High-temperature nanoindentation of epitaxial ZrB2 thin films. Scripta Materialia, 2016, 124, 117-120.   | 5.2 | 25        |
| 41 | SiN <sub><i>x</i></sub> Coatings Deposited by Reactive High Power Impulse Magnetron Sputtering: Process Parameters Influencing the Nitrogen Content. ACS Applied Materials & Diterfaces, 2016, 8, 20385-20395.   | 8.0 | 28        |
| 42 | Initial stages of growth and the influence of temperature during chemical vapor deposition of sp2-BN films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .  | 2.1 | 17        |
| 43 | A theoretical investigation of mixing thermodynamics, age-hardening potential and electronic structure of ternary M11–xM2xB2 alloys with AlB2 type structure. Scientific Reports, 2015, 5, 9888.   | 3.3 | 44        |
| 44 | Polytype Pure sp <sup>2</sup> -BN Thin Films As Dictated by the Substrate Crystal Structure. Chemistry of Materials, 2015, 27, 1640-1645.  | 6.7 | 26        |
| 45 | Silicon oxynitride films deposited by reactive high power impulse magnetron sputtering using nitrous oxide as a single-source precursor. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, .   | 2.1 | 18        |
| 46 | Stoichiometric, epitaxial ZrB2 thin films with low oxygen-content deposited by magnetron sputtering from a compound target: Effects of deposition temperature and sputtering power. Journal of Crystal Growth, 2015, 430, 55-62.   | 1.5 | 33        |
| 47 | Reactive sputtering of $\hat{\Gamma}$ -ZrH2 thin films by high power impulse magnetron sputtering and direct current magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .   | 2.1 | 7         |
| 48 | Magnetron sputtering of epitaxial Zr <scp>B</scp> <sub>2</sub> thin films on 4 <scp>H</scp> â€∢scp>Si <scp>C</scp> (0001) and Si(111). Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 636-640.   | 1.8 | 22        |
| 49 | Direct current magnetron sputtered ZrB2 thin films on 4H-SiC(0001) and Si(100). Thin Solid Films, 2014, 550, 285-290.  | 1.8 | 35        |
| 50 | Î <sup>2</sup> -Ta and α-Cr thin films deposited by high power impulse magnetron sputtering and direct current magnetron sputtering in hydrogen containing plasmas. Physica B: Condensed Matter, 2014, 439, 3-8.   | 2.7 | 10        |
| 51 | Boron nitride: A new photonic material. Physica B: Condensed Matter, 2014, 439, 29-34.   | 2.7 | 31        |
| 52 | Chemical vapour deposition of epitaxial rhombohedral BN thin films on SiC substrates. CrystEngComm, 2014, 16, 5430-5436.   | 2.6 | 32        |
| 53 | On the effect of silicon in CVD of sp2hybridized boron nitride thin films. CrystEngComm, 2013, 15, 455-458.  | 2.6 | 23        |
| 54 | Structure and properties of phosphorus-carbide thin solid films. Thin Solid Films, 2013, 548, 247-254.   | 1.8 | 17        |

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|----|---|-----|-----------|
| 55 | Growth of Ti-C nanocomposite films by reactive high power impulse magnetron sputtering under industrial conditions. Surface and Coatings Technology, 2012, 206, 2396-2402.  | 4.8 | 58        |
| 56 | ZrB2 thin films grown by high power impulse magnetron sputtering from a compound target. Thin Solid Films, 2012, 526, 163-167.  | 1.8 | 58        |
| 57 | Growth of High Quality Epitaxial Rhombohedral Boron Nitride. Crystal Growth and Design, 2012, 12, 3215-3220.  | 3.0 | 60        |
| 58 | Ni and Ti diffusion barrier layers between Ti–Si–C and Ti–Si–C–Ag nanocomposite coatings and Cu-based substrates. Surface and Coatings Technology, 2012, 206, 2558-2565.  | 4.8 | 7         |
| 59 | On the effect of water and oxygen in chemical vapor deposition of boron nitride. Thin Solid Films, 2012, 520, 5889-5893.  | 1.8 | 12        |
| 60 | Contact Resistance of Ti-Si-C-Ag and Ti-Si-C-Ag-Pd Nanocomposite Coatings. Journal of Electronic Materials, 2012, 41, 560-567.  | 2.2 | 2         |
| 61 | Epitaxial CVD growth of sp <sup>2</sup> â€hybridized boron nitride using aluminum nitride as buffer layer. Physica Status Solidi - Rapid Research Letters, 2011, 5, 397-399.  | 2.4 | 44        |
| 62 | Conductive nanocomposite ceramics as tribological and electrical contact materials. EPJ Applied Physics, 2010, 49, 22902.   | 0.7 | 15        |
| 63 | High-rate deposition of amorphous and nanocomposite Ti–Si–C multifunctional coatings. Surface and Coatings Technology, 2010, 205, 299-305.  | 4.8 | 42        |
| 64 | Microstructure of high velocity oxy-fuel sprayed Ti2AlC coatings. Journal of Materials Science, 2010, 45, 2760-2769.  | 3.7 | 40        |
| 65 | The M+1AX phases: Materials science and thin-film processing. Thin Solid Films, 2010, 518, 1851-1878.   | 1.8 | 934       |
| 66 | Sputter deposition from a Ti2AlC target: Process characterization and conditions for growth of Ti2AlC. Thin Solid Films, 2010, 518, 1621-1626.  | 1.8 | 77        |
| 67 | Microstructure evolution of Ti–Si–C–Ag nanocomposite coatings deposited by DC magnetron sputtering. Acta Materialia, 2010, 58, 6592-6599.   | 7.9 | 30        |
| 68 | Phase transformation in $\hat{I}^2$ - and $\hat{I}^3$ -Al2O3 coatings on cutting tool inserts. Surface and Coatings Technology, 2009, 203, 1682-1688.   | 4.8 | 43        |
| 69 | In Situ Control of the Oxide Layer on Thermally Evaporated Titanium and Lysozyme Adsorption by Means of Electrochemical Quartz Crystal Microbalance with Dissipation. ACS Applied Materials & Samp; Interfaces, 2009, 1, 301-310. | 8.0 | 7         |
| 70 | Phase identification in $\hat{l}^3$ - and $\hat{l}^2$ -alumina coatings by cathodoluminescence. Scripta Materialia, 2009, 61, 379-382.  | 5.2 | 3         |
| 71 | Nanocomposite Al2O3–ZrO2 thin films grown by reactive dual radio-frequency magnetron sputtering. Thin Solid Films, 2008, 516, 4977-4982.  | 1.8 | 47        |
| 72 | Direct current magnetron sputtering deposition of nanocomposite alumina — zirconia thin films. Thin Solid Films, 2008, 516, 8352-8358.  | 1.8 | 23        |

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|----|--|-------------------|----------------------|
| 73 | Structural, electrical and mechanical characterization of magnetron-sputtered V–Ge–C thin films. Acta Materialia, 2008, 56, 2563-2569.   | 7.9               | 55                   |
| 74 | Weak electronic anisotropy in the layered nanolaminate Ti 2 GeC. Solid State Communications, 2008, 146, 498-501.   | 1.9               | 33                   |
| 75 | Ti2AlC coatings deposited by High Velocity Oxy-Fuel spraying. Surface and Coatings Technology, 2008, 202, 5976-5981.   | 4.8               | 84                   |
| 76 | Synthesis of phosphorus arbide thin films by magnetron sputtering. Physica Status Solidi - Rapid Research Letters, 2008, 2, 191-193.   | 2.4               | 40                   |
| 77 | Micro and macroscale tribological behavior of epitaxial Ti3SiC2 thin films. Wear, 2008, 264, 914-919.  | 3.1               | 34                   |
| 78 | Experiments and modeling of dual reactive magnetron sputtering using two reactive gases. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 565-570.  | 2.1               | 19                   |
| 79 | Anisotropy in the electronic structure of <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow> <mml:msub> <mml:mtext> V </mml:mtext> <mml:mn> 2 </mml:mn> </mml:msub>  by soft x-ray emission spectroscopy and first-principles theory. Physical Review B. 2008, 78</mml:mrow></mml:math> | mml:mtex          | t>GeC                |
| 80 | Intrusion-type deformation in epitaxial Ti3SiC2â^•TiC0.67 nanolaminates. Applied Physics Letters, 2007, 91, .  | 3.3               | 13                   |
| 81 | Magnetron sputtering of Ti3SiC2 thin films from a compound target. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 1381-1388.  | 2.1               | 58                   |
| 82 | Electrical resistivity of $Tin+1ACn(A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, n) Tj ET (Si) (A = Si, Ge, Sn, $              | 「Qq0 0 0 r<br>2.6 | ·gBT_/Overlock<br>22 |
| 83 | Microstructure and electrical properties of Ti–Si–C–Ag nanocomposite thin films. Surface and Coatings Technology, 2007, 201, 6465-6469.  | 4.8               | 23                   |
| 84 | Thermal stability of Ti3SiC2 thin films. Acta Materialia, 2007, 55, 1479-1488.   | 7.9               | 198                  |
| 85 | Ta4AlC3: Phase determination, polymorphism and deformation. Acta Materialia, 2007, 55, 4723-4729.  | 7.9               | 75                   |
| 86 | Homoepitaxial growth of Ti–Si–C MAX-phase thin films on bulk Ti3SiC2 substrates. Journal of Crystal Growth, 2007, 304, 264-269.  | 1.5               | 40                   |
| 87 | Epitaxial TiC/SiC multilayers. Physica Status Solidi - Rapid Research Letters, 2007, 1, 113-115.   | 2.4               | 19                   |
| 88 | First-principles calculations on the structural evolution of solid fullerene-like CPx. Chemical Physics Letters, 2006, 426, 374-379.   | 2.6               | 46                   |
| 89 | Deposition and characterization of ternary thin films within the Ti–Al–C system by DC magnetron sputtering. Journal of Crystal Growth, 2006, 291, 290-300.   | 1.5               | 212                  |
| 90 | High-power impulse magnetron sputtering of Ti–Si–C thin films from a Ti3SiC2 compound target. Thin Solid Films, 2006, 515, 1731-1736.  | 1.8               | 96                   |

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|-----|---|-----|-----------|
| 91  | Fullerene-like CPx: A first-principles study of the relative stability of precursors and defect energetics during synthetic growth. Thin Solid Films, 2006, 515, 1028-1032.   | 1.8 | 40        |
| 92  | Growth and Property Characterization of Epitaxial MAX-Phase Thin Films from the Ti <sub>n+1</sub> (Si, Ge, Sn)C <sub>n</sub> Systems. Advances in Science and Technology, 2006, 45, 2648.   | 0.2 | 22        |
| 93  | Photoemission studies of Ti3SiC2 and nanocrystalline-TiC/amorphous-SiC nanocomposite thin films. Physical Review B, 2006, 74, .   | 3.2 | 37        |
| 94  | Cryogenic deposition of carbon nitride thin solid films by reactive magnetron sputtering; suppression of the chemical desorption processes. Thin Solid Films, 2005, 478, 34-41.   | 1.8 | 16        |
| 95  | Growth and characterization of MAX-phase thin films. Surface and Coatings Technology, 2005, 193, 6-10.  | 4.8 | 176       |
| 96  | Structural, electrical, and mechanical properties of nc-TiCâ^•a-SiC nanocomposite thin films. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2486. | 1.6 | 69        |
| 97  | Epitaxial Ti2GeC, Ti3GeC2, and Ti4GeC3 MAX-phase thin films grown by magnetron sputtering. Journal of Materials Research, 2005, 20, 779-782.  | 2.6 | 125       |
| 98  | Electronic structure investigation of Ti3AlC2, Ti3SiC2, and Ti3GeC2 by soft x-ray emission spectroscopy. Physical Review B, 2005, 72, .   | 3.2 | 59        |
| 99  | Growth of Ti3SiC2 thin films by elemental target magnetron sputtering. Journal of Applied Physics, 2004, 96, 4817-4826.   | 2.5 | 158       |
| 100 | Comment on ?Pulsed Laser Deposition and Properties of M $n+1AX \times Phase$ Formulated Ti3SiC2 Thin Films?. Tribology Letters, 2004, 17, 977-978.  | 2.6 | 11        |
| 101 | Arrhenius-type temperature dependence of the chemical desorption processes active during deposition of fullerene-like carbon nitride thin films. Surface Science, 2004, 569, L289-L295.   | 1.9 | 5         |
| 102 | Mn+1AXnphases in theTiâ^'Siâ^'Csystem studied by thin-film synthesis andab initiocalculations. Physical Review B, 2004, 70, .   | 3.2 | 212       |
| 103 | Atomic Layer Deposition of Ta2O5 Using the Tal5 and O2 Precursor Combination. Chemical Vapor Deposition, 2003, 9, 245-248.  | 1.3 | 18        |
| 104 | Theory of the effects of substitutions on the phase stabilities of Tilâ^'xAlxN. Journal of Applied Physics, 2003, 93, 4505-4511.  | 2.5 | 75        |
| 105 | In situmonitoring of size distributions and characterization of nanoparticles during W ablation in N2 atmosphere. Journal of Applied Physics, 2003, 94, 2011-2017.  | 2.5 | 12        |
| 106 | Deposition and characterisation of NbxC60 films. Thin Solid Films, 2002, 405, 42-49.  | 1.8 | 17        |
| 107 | Low temperature epitaxial growth of metal carbides using fullerenes. Surface and Coatings Technology, 2001, 142-144, 817-822.   | 4.8 | 19        |
| 108 | Growth, structure, and mechanical properties of transition metal carbide superlattices. Journal of Materials Research, 2001, 16, 1301-1310.   | 2.6 | 14        |

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|-----|---|-----|-----------|
| 109 | Deposition of epitaxial transition metal carbide films and superlattices by simultaneous direct current metal magnetron sputtering and C <sub>60</sub> evaporation. Journal of Materials Research, 2001, 16, 633-643. | 2.6 | 13        |
| 110 | Bonding mechanism in the transition-metal fullerides studied by symmetry-selective resonant x-ray inelastic scattering. Physical Review B, 2001, 63, .  | 3.2 | 6         |
| 111 | Strain relaxation of low-temperature deposited epitaxial titanium-carbide films. Journal of Crystal Growth, 2000, 219, 237-244.   | 1.5 | 7         |
| 112 | Low resistivity ohmic titanium carbide contacts to n- and p-type 4H-silicon carbide. Solid-State Electronics, 2000, 44, 1179-1186.  | 1.4 | 48        |
| 113 | Tribofilm formation on cemented carbides in dry sliding conformal contact. Wear, 2000, 239, 219-228.  | 3.1 | 80        |
| 114 | Electrical characterization of TiC ohmic contacts to aluminum ion implanted 4H–silicon carbide. Applied Physics Letters, 2000, 77, 1478-1480.   | 3.3 | 32        |
| 115 | Deposition of Transition Metal Carbides and Superlattices Using C[sub 60] as Carbon Source. Journal of the Electrochemical Society, 2000, 147, 3361.  | 2.9 | 24        |
| 116 | Deposition of transition metal carbide superlattices using C60 as a carbon source. Applied Physics Letters, 1998, 73, 2754-2756.  | 3.3 | 7         |
| 117 | The influence of the deposition angle on the composition of reactively sputtered thin films. Surface and Coatings Technology, 1997, 94-95, 242-246.   | 4.8 | 8         |
| 118 | Chemical vapour deposition of tungsten carbides on tantalum and nickel substrates. Thin Solid Films, 1996, 272, 116-123.  | 1.8 | 22        |
| 119 | Synthesis and characterization of Ti-Si-C compounds for electrical contact applications. , 0, , .   |     | 1         |
| 120 | Structural and Mechanical Properties of CN <sub>X </sub> and CP <sub>X </sub> Thin Solid Films. Key Engineering Materials, 0, 488-489, 581-584.   | 0.4 | 2         |