# Valerie Bouquet

List of Publications by Year
in descending order



| 73 | 859 | 516561 16 | 610775 24 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 77 | 77 | 77 | 932 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of the Microstructure of ZnO Thin Films Prepared by PLD on Their Performance as Toxic Gas Sensors. Chemosensors, 2022, 10, 285. | 1.8 | 6 |
| 2 | Enhanced tunability and temperature-dependent dielectric characteristics at microwaves of K0.5Na0.5NbO3 thin films epitaxially grown on (100)MgO substrates. Journal of Alloys and Compounds, 2021, 856, 158138. | 2.8 | 10 |
| 3 | Frequency-Tunable Slot-Loop Antenna Based on KNN Ferroelectric Interdigitated Varactors. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1414-1418. | 2.4 | 7 |
| 4 | Photoluminescence in Alkaline Earth Stannate Thin Films Grown by Physical and Chemical Methods. Engineering Materials, 2021, , 155-183. | 0.3 | 2 |
| 5 | Orientation control of KNbO3 film grown on glass substrates by Ca2Nb3O10â^' nanosheets seed layer. Thin Solid Films, 2020, 693, 137682. | 0.8 | 6 |
| 6 | Influence of two-dimensional oxide nanosheets seed layers on the growth of (100)BiFeO3 thin films synthesized by chemical solution deposition. Thin Solid Films, 2020, 693, 137687. | 0.8 | 6 |
| 7 | Theoretical-experimental evaluation of the photocatalytic activity of KCa2Ta3â^'xNbxO10. Materials Letters, 2019, 253, 392-395. | 1.3 | 6 |
| 8 | Controlling the Electronic, Structural, and Optical Properties of Novel MgTiO<sub>3</sub>/LaNiO<sub>3</sub> Nanostructured Films for Enhanced Optoelectronic Devices. ACS Applied Nano Materials, 2019, 2, 2612-2620. | 2.4 | 11 |
| 9 | Influence of deposition parameters on the structure and microstructure of Bi12TiO20 films obtained by pulsed laser deposition. Ceramics International, 2019, 45, 3510-3517. | 2.3 | 8 |
| 10 | A Twofold Approach in Loss Reduction of KTa<sub>0.5</sub>Nb<sub>0.5</sub>O<sub>3</sub> Ferroelectric Layers for Low-Loss Tunable Devices at Microwaves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 665-671. | 1.7 | 1 |
| 11 | Non-volatile resistive switching in the Mott insulator (V1â^'xCrx)2O3. Physica B: Condensed Matter, 2018, 536, 327-330. | 1.3 | 9 |
| 12 | K x Na1â^'xNbO3 perovskite thin films grown by pulsed laser deposition on R-plane sapphire for tunable microwave devices. Journal of Materials Science, 2018, 53, 13042-13052. | 1.7 | 8 |
| 13 | Evolution of the structural and microstructural characteristics of SrSn1â^'xTixO3 thin films under the influence of the composition, the substrate and the deposition method. Surface and Coatings Technology, 2017, 313, 361-373. | 2.2 | 9 |
| 14 | Electrochemical behaviour of CuxMo6S8 thin films synthesized by CSD. Electrochimica Acta, 2017, 257, 436-443. | 2.6 | 5 |
| 15 | Effect of in-plane ordering on dielectric properties of highly {111}-oriented bismuthâ€“zincâ€“niobate thin films. Journal of Materials Science, 2017, 52, 11306-11313. | 1.7 | 9 |
| 16 | Influence of the Structural Characteristics of Epitaxial TiO2 Thin Films on Their Photocatalytic Properties. Journal of Nanoscience and Nanotechnology, 2017, 17, 4326-4334. | 0.9 | 3 |
| 17 | Preparation of niobium based oxynitride nanosheets by exfoliation of Ruddlesden-Popper phase precursor. Solid State Sciences, 2016, 54, 17-21. | 1.5 | 18 |
| 18 | Metalâ€“insulator transitions in (V1-xCrx)2O3 thin films deposited by reactive direct current magnetron co-sputtering. Thin Solid Films, 2016, 617, 56-62. | 0.8 | 17 |

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|---|---|---|---|
| 19 | SrSnO3:N â€“ Nitridation and evaluation of photocatalytic activity. Journal of Alloys and Compounds, 2015, 649, 491-494. | 2.8 | 16 |
| 20 | Electric Pulse Induced Resistive Switching in the Narrow Gap Mott Insulator GaMo<sub>4</sub>S<sub>8</sub>. Key Engineering Materials, 2014, 617, 135-140. | 0.4 | 10 |
| 21 | Sr1â^'xBaxSnO3 system applied in the photocatalytic discoloration of an azo-dye. Solid State Sciences, 2014, 28, 67-73. | 1.5 | 47 |
| 22 | Nanorods of Potassium Tantalum Niobate Tetragonal Tungsten Bronze Phase Grown by Pulsed Laser Deposition. Chemistry of Materials, 2013, 25, 2793-2802. | 3.2 | 13 |
| 23 | Influence of the network modifier on the characteristics of MSnO3 (M=Sr and Ca) thin films synthesized by chemical solution deposition. Journal of Solid State Chemistry, 2013, 199, 34-41. | 1.4 | 18 |
| 24 | Lead-Free Oxide Thin Films for Gas Detection. Advanced Materials Research, 2013, 789, 105-111. | 0.3 | 6 |
| 25 | Zinc-gallium oxynitride powders: effect of the oxide precursor synthesis route. Ceramica, 2013, 59, 269-276. | 0.3 | 8 |
| 26 | Influence of Nd Doping on the Properties of SrTiO<sub>3</sub> thin Films Synthesized by PLD on Different Substrates. Current Physical Chemistry, 2013, 3, 392-399. | 0.1 | 1 |
| 27 | Structural, Optical, and Dielectric Properties of Bi<sub>1.5â€“x</sub>Zn<sub>0.92â€“y</sub>Nb<sub>1.5</sub>O<sub>6.92â^'Î´</sub> Thin Films Grown by PLD on R-plane Sapphire and LaAlO<sub>3</sub> Substrates. ACS Applied Materials & Interfaces, 2012, 4, 5227-5233. | 4.0 | 7 |
| 28 | Synthesis of Cu2Mo6S8 powders and thin films from intermediate oxides prepared by polymeric precursor method. Solid State Sciences, 2012, 14, 719-724. | 1.5 | 12 |
| 29 | Ferroelectric and dielectric multilayer heterostructures based on KTa0.65Nb0.35O3 and Bi1.5-xZn0.92-yNb1.5O6.92â€“1.5x-y grown by pulsed laser deposition and chemical solution deposition for high frequency tunable devices. Thin Solid Films, 2012, 520, 4564-4567. | 0.8 | 6 |
| 30 | Mg diffusion in K(Ta0.65Nb0.35)O3 thin films grown on MgO evidenced by Auger electron spectroscopy investigation. Applied Surface Science, 2011, 257, 9485-9489. | 3.1 | 4 |
| 31 | A comparative study of ZnS powders sintering by Hot Uniaxial Pressing (HUP) and Spark Plasma Sintering (SPS). Optical Materials, 2011, 33, 706-712. | 1.7 | 45 |
| 32 | Enhancement of electrochemical transfer junction for cation extraction. Electrochemistry Communications, 2010, 12, 1734-1737. | 2.3 | 6 |
| 33 | Synthesis of SrSnO3 thin films by pulsed laser deposition: Influence of substrate and deposition temperature. Thin Solid Films, 2010, 519, 614-618. | 0.8 | 12 |
| 34 | Substrate-controlled allotropic phases and growth orientation of TiO<sub>2</sub>epitaxial thin films. Journal of Applied Crystallography, 2010, 43, 1502-1512. | 1.9 | 27 |
| 35 | Synthesis of KTaxNb1â^'xO3 (KTN) powders and thin films by polymeric precursor method. Solid State Sciences, 2009, 11, 91-95. | 1.5 | 13 |
| 36 | Reduction of microwave dielectric losses in KTa1â^'xNbxO3 thin films by MgO-doping. Thin Solid Films, 2009, 517, 5940-5942. | 0.8 | 14 |

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| 37 | Control of composition and structure of ferroelectric oxide thin films grown by pulsed laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3293-3297. | 0.8 | 1 |
| 38 | Influence of substrate on the pulsed laser deposition growth and microwave behaviour of KTa0.6Nb0.4O3 potassium tantalate niobate ferroelectric thin films. Thin Solid Films, 2008, 516, 4882-4888. | 0.8 | 25 |
| 39 | Structural Characteristics of KTa<sub>0.5</sub>Nb<sub>0.5</sub>O<sub>3</sub> Ferroelectric Thin Films and Applications to Planar Transmission Lines. Ferroelectrics, 2008, 362, 137-144. | 0.3 | 8 |
| 40 | Epitaxially grown ferroelectric thin films for agile devices. Phase Transitions, 2008, 81, 643-665. | 0.6 | 4 |
| 41 | EFFECT OF THIN KNbO3 SEED LAYERS ON PULSED LASER DEPOSITED FERROELECTRIC KTa0.65Nb0.35O3 FILMS FOR MICROWAVE TUNABLE APPLICATION. Integrated Ferroelectrics, 2007, 93, 126-132. | 0.3 | 8 |
| 42 | Tunable DBR resonators using KTN ferroelectric thin-films. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , . | 0.0 | 3 |
| 43 | KTa0.5Nb0.5O3 ferroelectric thin films: processing, characterization and application to microwave agile devices. Frequenz, 2007, 61, . | 0.6 | 4 |
| 44 | Reconfigurable circuits for wireless applications using KTN ferroelectrics. , 2007, , . | | 1 |
| 45 | KTN Dielectric Properties at Microwave Frequencies: Substrate Influence. Ferroelectrics, 2007, 353, 21-28. | 0.3 | 10 |
| 46 | Numerical and comparative study of the agility of planar transmission lines printed on a ferroelectric thin film. Microwave and Optical Technology Letters, 2007, 49, 280-285. | 0.9 | 3 |
| 47 | Structural improvement of PLD grown KTa0.65Nb0.35O3 films by the use of KNbO3 seed layers. Applied Surface Science, 2007, 254, 1298-1302. | 3.1 | 15 |
| 48 | KTaO3 powders and thin films prepared by polymeric precursor method. Solid State Sciences, 2006, 8, 606-612. | 1.5 | 12 |
| 49 | KTN ferroelectric thin-films: Application to the realization of tunable microwave devices. , 2006, , . | | 2 |
| 50 | Preparation of KNbO3 thin films onto alumina substrates by polymeric precursor method. Thin Solid Films, 2005, 493, 139-145. | 0.8 | 15 |
| 51 | Microstructure comparison between KNbO3 thin films grown by polymeric precursors and PLD methods. Solid State Sciences, 2005, 7, 1317-1323. | 1.5 | 15 |
| 52 | Ferroelectric Thin Films for Applications in High Frequency Range. Ferroelectrics, 2005, 316, 7-12. | 0.3 | 17 |
| 53 | Influence of Mg on the Structural and Optical Properties of LiNbO<sub>3</sub> Thin Films Grown by Polymeric Precursor Method. Materials Science Forum, 2005, 498-499, 342-349. | 0.3 | 0 |
| 54 | SinterizaÃ§Ã£o de filmes finos de LiNbO3 em forno microondas: estudo da influÃªncia da direÃ§Ã£o do fluxo de calor. Ceramica, 2004, 50, 128-133. | 0.3 | 4 |

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|---|---|---|---|
| 55 | SrBi2Nb2O9 thin films epitaxially grown on Pt epitaxial bottom layers: structural characteristics and nanoscale characterization of the ferroelectric behaviour by AFM. Annalen Der Physik, 2004, 13, 35-38. | 0.9 | 4 |
| 56 | Effect of Thickness on the Electrical and Optical Properties of Sb Doped SnO2 (ATO) Thin Films. Journal of Electroceramics, 2004, 13, 159-165. | 0.8 | 55 |
| 57 | Epitaxial growth of LiNbO3 thin films in a microwave oven. Thin Solid Films, 2003, 436, 213-219. | 0.8 | 61 |
| 58 | Ferroelectric Materials with Photoluminescent Properties. Ferroelectrics, 2003, 288, 315-326. | 0.3 | 3 |
| 59 | Epitaxial growth and ferroelectric properties of SrBi2Nb2O9(115) thin films grown by pulsed-laser deposition on epitaxial Pt(111) electrode. Applied Physics Letters, 2003, 83, 5500-5502. | 1.5 | 12 |
| 60 | Composition control of SBN thin films deposited by PLD on various substrates. Solid State Sciences, 2001, 3, 1133-1135. | 0.8 | 16 |
| 61 | Ferroelectric SBN thin films grown by an SBN/Bi2O3 PLD sequential process. Journal of the European Ceramic Society, 2001, 21, 2199-2205. | 2.8 | 11 |
| 62 | Multi-layered LiNbO3 films prepared by a polymeric precursor method. Journal of the European Ceramic Society, 2001, 21, 1521-1524. | 2.8 | 11 |
| 63 | Epitaxially grown LiNbO<sub>3</sub> thin films by polymeric precursor method. Journal of Materials Research, 2000, 15, 2446-2453. | 1.2 | 34 |
| 64 | Influence of heat treatment on LiNbO<sub>3</sub> thin films prepared on Si(111) by the polymeric precursor method. Journal of Materials Research, 1999, 14, 3115-3121. | 1.2 | 33 |
| 65 | Structural and surface morphology characterizations of oriented LiNbO3 thin films grown by polymeric precursor method. Journal of the European Ceramic Society, 1999, 19, 1447-1451. | 2.8 | 16 |
| 66 | Overall critical current density of Chevrel wires at high magnetic field. IEEE Transactions on Applied Superconductivity, 1997, 7, 1759-1762. | 1.1 | 3 |
| 67 | Enhancement of the critical current density in Chevrel phase superconducting wires. Journal of Applied Physics, 1997, 81, 6277-6284. | 1.1 | 18 |
| 68 | LiNbO<sub>3</sub> Thin Films prepared from a Polymeric Precursor Method. Key Engineering Materials, 1997, 132-136, 1143-1146. | 0.4 | 8 |
| 69 | Overall critical current density of chevrel wires in magnetic fields up to 24 tesla. European Physical Journal D, 1996, 46, 2757-2758. | 0.4 | 0 |
| 70 | Promising critical current density in the Chevrel phase superconducting wires. Physica C: Superconductivity and Its Applications, 1996, 258, 21-29. | 0.6 | 12 |
| 71 | Dependence of critical current densities in Chevrel phase superconducting wires on magnetic fields up to 25 T. Physica B: Condensed Matter, 1995, 211, 272-274. | 1.3 | 3 |
| 72 | Jc investigations in Chevrel phase wires. Physica C: Superconductivity and Its Applications, 1994, 235-240, 769-770. | 0.6 | 1 |

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|---|---|---|---|
| 73 | Effect of sintering time and temperature on superconducting properties of Chevrel phase wires made with micron-sized powder. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2543-2544. | 0.6 | 5 |