# Shavkat U Yuldashev

List of Publications by Year
in descending order



| 115 | 1,340 | 361413 | 434195 |
|---|---|---|---|
| papers | citations | 20 h-index | 31 g-index |

| 116 | 116 | 116 | 1903 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simultaneous visible and ultraviolet photoresponse improvement of MoS2/ZnO heterostructure photodetector via direct resonant coupling of Au nanoparticles localized surface plasmon resonance. Optical Materials, 2022, 124, 111997. | 3.6 | 14 |
| 2 | Self-Nucleated Nonpolar GaN Nanowires with Strong and Enhanced UV Luminescence. Crystal Growth and Design, 2022, 22, 4787-4793. | 3.0 | 3 |
| 3 | Exotic optoelectronic behaviors in CH3NH3PbCl3 perovskite single crystals: Co-existence of free and bound excitons with structural phase transitions. Applied Physics Letters, 2021, 118, 143301. | 3.3 | 5 |
| 4 | Positive temperature dynamics of near-band-edge photoluminescence in Nb-doped SrTiO3. Physica B: Condensed Matter, 2020, 595, 412347. | 2.7 | 0 |
| 5 | Memristive Devices from CuO Nanoparticles. Nanomaterials, 2020, 10, 1677. | 4.1 | 6 |
| 6 | Critical points in photoluminescence spectra and their relation with phase transition in Nb-doped SrTiO3. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 4 |
| 7 | Observation of the Spin Seebeck Effect in Bi 2 Te 3 Topological Insulator without an External Magnetic Field. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000004. | 2.4 | 3 |
| 8 | Effective Modulation of Optical and Photoelectrical Properties of SnS2 Hexagonal Nanoflakes via Zn Incorporation. Nanomaterials, 2019, 9, 924. | 4.1 | 14 |
| 9 | Effect of Isovalent Doping on the Magnetic Properties of ZnMnO Diluted Magnetic Semiconductors. Journal of the Korean Physical Society, 2019, 74, 168-172. | 0.7 | 0 |
| 10 | Arrayed CdTeMicrodots and Their Enhanced Photodetectivity via Piezo-Phototronic Effect. Nanomaterials, 2019, 9, 178. | 4.1 | 8 |
| 11 | Correlation of antibacterial and time resolved photoluminescence studies using bio-reduced silver nanoparticles conjugated with fluorescent quantum dots as a biomarker. Journal of Materials Science: Materials in Electronics, 2019, 30, 6977-6983. | 2.2 | 12 |
| 12 | Surface induced charge transfer in CuxIn2-xS3 nanostructures and their enhanced photoelectronic and photocatalytic performance. Solar Energy Materials and Solar Cells, 2019, 191, 100-107. | 6.2 | 9 |
| 13 | Magnetic and optical property studies on cubic Gd<sub>3</sub>Fe<sub>5â^'x</sub>Co<sub>x</sub>O<sub>12</sub> nanogarnets for spintronics. CrystEngComm, 2018, 20, 2806-2811. | 2.6 | 5 |
| 14 | Interfacial charge transfer in ZnTe/ZnO nano arrayed heterostructures and their improved photoelectronic properties. Solar Energy Materials and Solar Cells, 2018, 183, 73-81. | 6.2 | 31 |
| 15 | Band gap engineering of ZnMnO diluted magnetic semiconductor by alloying with ZnS. Journal of Magnetism and Magnetic Materials, 2018, 446, 206-209. | 2.3 | 8 |
| 16 | Low-temperature photoluminescence of WO3 nanoparticles. Journal of Luminescence, 2018, 195, 344-347. | 3.1 | 10 |
| 17 | High performance photodiodes based on chemically processed Cu doped SnS2 nanoflakes. Applied Surface Science, 2018, 455, 446-454. | 6.1 | 33 |
| 18 | Ultrasonic-assisted synthesis of ZnTe nanostructures and their structural, electrochemical and photoelectrical properties. Ultrasonics Sonochemistry, 2017, 39, 414-419. | 8.2 | 20 |

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|---|---|---|---|
| 19 | Highly Sensitive Flexible Photodetectors Based on Self-Assembled Tin Monosulfide Nanoflakes with Graphene Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 32142-32150. | 8.0 | 44 |
| 20 | Critical behavior of the resistivity of GaMnAs near the Curie temperature. Solid State Communications, 2017, 263, 38-41. | 1.9 | 4 |
| 21 | Electroluminescence in a rectifying graphene/InGaN junction. RSC Advances, 2017, 7, 50853-50857. | 3.6 | 5 |
| 22 | Magnetic phase transitions in ZnO doped by transition metals. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 559-563. | 0.8 | 0 |
| 23 | Synthesis and stabilization of cobalt and copper nanoparticles by using Bombyx mori chitosan. Journal of the Korean Physical Society, 2016, 69, 1295-1300. | 0.7 | 2 |
| 24 | Similar effects of the electric field and annealing on the near-band-edge photoluminescence in ZnO films. Journal of the Korean Physical Society, 2016, 68, 448-451. | 0.7 | 0 |
| 25 | Enhanced photoelectrical performance of chemically processed SnS2 nanoplates. RSC Advances, 2016, 6, 99631-99637. | 3.6 | 27 |
| 26 | Blue luminescence and Schottky diode applications of monoclinic HfO<sub>2</sub> nanostructures. RSC Advances, 2016, 6, 57941-57947. | 3.6 | 12 |
| 27 | Electrical property studies on chemically processed polypyrolle/aluminum doped ZnO based hybrid heterostructures. Chemical Physics Letters, 2016, 649, 130-134. | 2.6 | 9 |
| 28 | Thermal Conductivity of ZnO Single Nanowire. Journal of Nanoscience and Nanotechnology, 2016, 16, 1592-1595. | 0.9 | 8 |
| 29 | Fabrication of PEDOT:PSS/ZnO:S based hybrid heterostructures and their photoelectrical characteristics. Materials Letters, 2016, 170, 199-201. | 2.6 | 10 |
| 30 | Reversible quenching of luminescence in ZnO films by electric field action. Physica Status Solidi - Rapid Research Letters, 2015, 9, 307-311. | 2.4 | 1 |
| 31 | Shape controllable synthesis of ZnCdS 1-D nanostructures formed on ITO/glass by using the co-evaporation method. Journal of the Korean Physical Society, 2015, 66, 219-223. | 0.7 | 0 |
| 32 | Highly efficient CNT functionalized cotton fabrics for flexible/wearable heating applications. RSC Advances, 2015, 5, 10697-10702. | 3.6 | 105 |
| 33 | Magnetoelectric effect in GaMnAs /P(VDF-TrFE) composite multiferroic nanostructures. Current Applied Physics, 2015, 15, S22-S25. | 2.4 | 1 |
| 34 | Chemical bath deposited MgxZn1â^'xS(O) thin films and their photoluminescence properties. Journal of Luminescence, 2015, 168, 98-101. | 3.1 | 5 |
| 35 | Chemically-derived CuO/In2O3-based nanocomposite for diode applications. CrystEngComm, 2015, 17, 5932-5939. | 2.6 | 16 |
| 36 | Near-band-edge photoluminescence from ZnO film: Negative thermal quenching and role of adsorbed oxygen. Journal of the Korean Physical Society, 2014, 64, 1-5. | 0.7 | 3 |

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| 37 | Fabrication of nanostructured ZnO thin films using self-assembled organic molecule templates and optical transitions. Thin Solid Films, 2014, 562, 269-273. | 1.8 | 2 |
| 38 | Optical and ferromagnetic properties of Cr doped ZnO nanorods. Applied Surface Science, 2014, 315, 124-130. | 6.1 | 9 |
| 39 | Magnetic Phase Transitions in Zn1â^'x Mn x O. Journal of the Korean Physical Society, 2014, 64, 1457-1460. | 0.7 | 1 |
| 40 | Ferromagnetic states of p-type silicon doped with Mn. Journal of the Korean Physical Society, 2014, 64, 1461-1465. | 0.7 | 7 |
| 41 | Effects of near-surface defects on the optical, electrical and magnetic properties of ZnO films. Journal of the Korean Physical Society, 2014, 64, 1590-1594. | 0.7 | 0 |
| 42 | Electrical and optical properties of air-stable, iodine-doped natural cotton fibers. Journal of the Korean Physical Society, 2014, 64, 561-566. | 0.7 | 1 |
| 43 | Structure and magnetic properties of ZnO:Cr prepared by Cr ion implantation into ZnO crystals. Wuhan University Journal of Natural Sciences, 2013, 18, 283-288. | 0.4 | 1 |
| 44 | Influence of annealing temperature on magnetic properties of InFeP prepared by ion implantation. Surface and Coatings Technology, 2013, 228, S233-S236. | 4.8 | 0 |
| 45 | Memristive behavior of ZnO/NiO stacked heterostructure. Microelectronic Engineering, 2013, 112, 31-34. | 2.4 | 18 |
| 46 | Homojunction p-n photodiodes based on As-doped single ZnO nanowire. , 2013, , . | | 1 |
| 47 | The role of zinc vacancies in bipolar resistance switching of Ag/ZnO/Pt memory structures. Nanotechnology, 2012, 23, 375201. | 2.6 | 9 |
| 48 | Fabrication of aluminium doped zinc oxide (AZO) transparent conductive oxide by ultrasonic spray pyrolysis. Current Applied Physics, 2012, 12, S56-S58. | 2.4 | 56 |
| 49 | Thermal properties of manganese-doped ZnO polycrystalline films. Physics of the Solid State, 2012, 54, 1957-1960. | 0.6 | 0 |
| 50 | Functional hybrid materials derived from natural cellulose. Journal of the Korean Physical Society, 2012, 60, 1526-1530. | 0.7 | 4 |
| 51 | Influence of MnO clusters on resistance switching behaviors in ZnO/n-Si structures. Journal of the Korean Physical Society, 2012, 60, 1531-1534. | 0.7 | 0 |
| 52 | Growth of ZnO and ZnMgO nanorods on Si substrates by using ultrasonic spray pyrolysis. Journal of the Korean Physical Society, 2012, 60, 1539-1542. | 0.7 | 7 |
| 53 | Photovoltaic device on a single ZnO nanowire pâ€“n homojunction. Nanotechnology, 2012, 23, 115401. | 2.6 | 42 |
| 54 | Study of the photoluminescence emission line at 3.33â€‰eV in ZnO films. Journal of Applied Physics, 2012, 112, . | 2.5 | 32 |

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| 55 | Heat transport in ZnO/PMMA nanocomposites. Physics of the Solid State, 2012, 54, 1514-1517. | 0.6 | 1 |
| 56 | Crossover critical behavior of Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As. Physical Review B, 2012, 85, . | 3.2 | 5 |
| 57 | Study of the thermal conductivity of ZnO nanowires/PMMA composites. Journal of the Korean Physical Society, 2012, 60, 1513-1516. | 0.7 | 6 |
| 58 | Organic photodiodes on the base of cotton fibers/polymer composite. Journal of Applied Physics, 2011, 110, . | 2.5 | 3 |
| 59 | Critical behavior of Ga[sub 1-x]Mn[sub x]As. AIP Conference Proceedings, 2011, , . | 0.4 | 0 |
| 60 | Study of Weak Ferromagnetism in Zn[sub 1-x]Co[sub x]O. AIP Conference Proceedings, 2011, , . | 0.4 | 1 |
| 61 | Dependence of Resistance Switching Voltage on the Potential Barrier in ZnO Thin Films. AIP Conference Proceedings, 2011, , . | 0.4 | 2 |
| 62 | ZnO films grown on cotton fibers surface at low temperature by a simple two-step process. Materials Letters, 2011, 65, 1316-1318. | 2.6 | 23 |
| 63 | Study on electrical transport and photoconductivity in iodine-doped cellulose fibers. Journal of Materials Science, 2011, 46, 896-901. | 3.7 | 6 |
| 64 | Photoluminescence study of the surface modified and MEH-PPV coated cotton fibers. Journal of Luminescence, 2011, 131, 301-305. | 3.1 | 2 |
| 65 | Resistance states dependence of photoluminescence in Ag/ZnO/Pt structures. Applied Physics Letters, 2011, 99, . | 3.3 | 7 |
| 66 | Thermal Conductivity of ZnO Nanowires Embedded in Poly(methyl methacrylate) Matrix. Applied Physics Express, 2011, 4, 015001. | 2.4 | 8 |
| 67 | Correlation between Resistance Switching States and Photoluminescence Emission in ZnO Films. Applied Physics Express, 2011, 4, 075801. | 2.4 | 2 |
| 68 | Study of Ga1-xMnxAs Critical Behavior by Using Thermal Diffusivity. Journal of the Korean Physical Society, 2011, 59, 431-434. | 0.7 | 2 |
| 69 | Electrical and Photoelectrical Characteristics of the ZnO/Organic Hybrid Heterostructure. Journal of the Korean Physical Society, 2011, 59, 482-484. | 0.7 | 4 |
| 70 | Specific Heat Study of GaMnAs. Applied Physics Express, 2010, 3, 073005. | 2.4 | 8 |
| 71 | Thermal properties of semiconductor zinc oxide nanostructures. Journal of Engineering Physics and Thermophysics, 2010, 83, 863-868. | 0.6 | 11 |
| 72 | Critical behavior of Zn1â^'xMnxO doped by nitrogen. Journal of Applied Physics, 2009, 105, 113920. | 2.5 | 5 |

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| 73 | Excitation Intensity Dependent Studies of Photoluminescence from ZnO Nanocrystals Deposited on Different Substrates. Japanese Journal of Applied Physics, 2009, 48, 115004. | 1.5 | 4 |
| 74 | Resistance States and Photoluminescence in Anodic Oxide Alumina Films. Electrochemical and Solid-State Letters, 2009, 12, G47. | 2.2 | 0 |
| 75 | Optical and magneto-optical properties of thin Zn1â^'xMnxO films doped by nitrogen. Physica B: Condensed Matter, 2009, 404, 5266-5268. | 2.7 | 4 |
| 76 | Nonpolar Resistance Switching in Anodic Oxide Alumina Films. Japanese Journal of Applied Physics, 2009, 48, 070207. | 1.5 | 5 |
| 77 | White Light Emission from ZnO/Zn0.9Mg0.1O Heterostructures Grown on Si Substrates. Japanese Journal of Applied Physics, 2008, 47, 133-135. | 1.5 | 6 |
| 78 | Magnetic phase transition in Zn1â^'xMnxO doped by nitrogen. Applied Physics Letters, 2008, 93, 092503. | 3.3 | 7 |
| 79 | Magnetic and Optical Properties of Zn1-xMnxO Thin Films Prepared by Using Ultrasonic Spray Pyrolysis. Journal of the Korean Physical Society, 2008, 53, 192-195. | 0.7 | 5 |
| 80 | Electroluminescence of n-Zn1-xMgxO/ZnO/p-Zn1-xMgxO Heterostructures Grown on Si Substrates. Journal of the Korean Physical Society, 2008, 53, 2913-2916. | 0.7 | 3 |
| 81 | Electroluminescence of ZnO-based p-i-n structures fabricated by the ultrasound-spraying method. Doklady Physics, 2007, 52, 300-302. | 0.7 | 0 |
| 82 | Electrical and optical properties of ZnO thin films grown on Si substrates. Journal of Applied Physics, 2006, 100, 013704. | 2.5 | 27 |
| 83 | Photoluminescent properties of ZnO nanoparticles in ultraviolet opal infiltrated by chemical deposition. Journal of Crystal Growth, 2006, 286, 300-305. | 1.5 | 4 |
| 84 | Deep level emission of ZnO nanoparticles deposited inside UV opal. Optics Communications, 2006, 259, 378-384. | 2.1 | 24 |
| 85 | New properties of cadmium sulfide nanostructures. Doklady Physics, 2006, 51, 588-590. | 0.7 | 1 |
| 86 | Magnetotransport properties of zinc-blende-structured MnAs films with half-metallic characteristics. Applied Physics Letters, 2006, 89, 112517. | 3.3 | 15 |
| 87 | Dominant ultraviolet-blue photoluminescence of ZnO embedded into synthetic opal. Journal of Luminescence, 2005, 114, 118-124. | 3.1 | 13 |
| 88 | Effect of photonic band-gap on photoluminescence of ZnO deposited inside the green synthetic opal. Optics Communications, 2005, 250, 111-119. | 2.1 | 19 |
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| 91 | Effect of Interlayer Exchange Coupling on the Curie Temperature in Ga1-xMnxAs Trilayer Structures. Japanese Journal of Applied Physics, 2004, 43, 2093-2096. | 1.5 | 2 |
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| 94 | Suppression of the green photoluminescence band in ZnO embedded into porous opal by spray pyrolysis. Journal of Luminescence, 2004, 109, 25-29. | 3.1 | 25 |
| 95 | Growth of Ferromagnetic Semiconducting Si:Mn Film by Vacuum Evaporation Method. Chemistry of Materials, 2003, 15, 3964-3965. | 6.7 | 27 |
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| 98 | Electrical and Optical Properties of ZnO Films Grown on GaAs Substrates. Japanese Journal of Applied Physics, 2003, 42, 3333-3336. | 1.5 | 15 |
| 99 | Magnetoresistance of Ga1-xMnxAs Epitaxial Layers Doped by Be. Japanese Journal of Applied Physics, 2003, 42, 6256-6259. | 1.5 | 6 |
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| 101 | Optical and magnetic measurements of p-type GaN epilayers implanted with Mn+ ions. Applied Physics Letters, 2002, 81, 1845-1847. | 3.3 | 78 |
| 102 | Enhanced positive magnetoresistance effect in GaAs with nanoscale magnetic clusters. Journal of Applied Physics, 2001, 90, 3004-3006. | 2.5 | 40 |
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| 104 | Photo-enhanced Magnetoresistance Effect in GaAs with Nanoscale Magnetic Clusters. Japanese Journal of Applied Physics, 2001, 40, 3082-3084. | 1.5 | 9 |
| 105 | Effect of photoelectrochemical oxidation on properties of GaN epilayers grown by molecular beam epitaxy. Applied Physics Letters, 2001, 78, 1309-1311. | 3.3 | 18 |
| 106 | Effects of hydrogenation and annealing on the shallow donor-band recombination in In-doped CdTe epitaxial layers grown on p-CdTe (211) substrates. Journal of Physics and Chemistry of Solids, 2000, 61, 711-718. | 4.0 | 7 |
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| 109 | Effect of the band-tail states on the exciton peaks in GaN epilayers grown on sapphire substrates. Journal of Applied Physics, 2000, 88, 790-793. | 2.5 | 10 |
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| 113 | Deep levels in GaN epilayers grown on sapphire substrates. Solid State Communications, 1999, 112, 637-642. | 1.9 | 8 |
| 114 | Studies on sensitivity of porous silicon surfaces to environmental gases. Journal of Materials Engineering and Performance, 1997, 6, 161-164. | 2.5 | 2 |
| 115 | Magnetophotoluminescence of MBE-grown InSb and InAs. Semiconductor Science and Technology, 1993, 8, 276-282. | 2.0 | 12 |