# Anna Palau

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 103 papers | 2,716 citations | 185998 28 h-index | 205818 48 g-index |
| 106 all docs | 106 docs citations | 106 times ranked | 1757 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Volume Resistive Switching in Metallic Perovskite Oxides Driven by the Metal-Insulator Transition. Kluwer International Series in Electronic Materials: Science and Technology, 2022, , 289-310. | 0.3 | 0 |
| 2 | Electricallyâ€Driven Oxygen Vacancy Aggregation and Displacement in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7âˆ’Î´</sub> Films. Advanced Electronic Materials, 2022, 8, . | 2.6 | 2 |
| 3 | Investigation of diethanolamine (DEA) as a chelating agent in the fabrication of fluorine-free propionate route YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> (YBCO) thin films. Superconductor Science and Technology, 2022, 35, 054010. | 1.8 | 1 |
| 4 | Optimizing vortex pinning in YBa2Cu3O7-x superconducting films up to high magnetic fields. Communications Materials, 2022, 3, . | 2.9 | 7 |
| 5 | Potential of Copper Oxide High-Temperature Superconductors for Tailoring Ferromagnetic Spin Textures. , 2021, , 167-182. | | 1 |
| 6 | Low-Fluorine Ba-Deficient Solutions for High-Performance Superconducting YBCO Films. Coatings, 2021, 11, 199. | 1.2 | 3 |
| 7 | Ultra-high critical current densities of superconducting YBa2Cu3O7-Î´ thin films in the overdoped state. Scientific Reports, 2021, 11, 8176. | 1.6 | 24 |
| 8 | High Performance of Superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> Thick Films Prepared by Single-Deposition Inkjet Printing. ACS Applied Electronic Materials, 2021, 3, 3948-3961. | 2.0 | 8 |
| 9 | Luminescent and Magnetic Tb-MOF Flakes Deposited on Silicon. Molecules, 2021, 26, 5503. | 1.7 | 6 |
| 10 | Direct Visualization of Current-Stimulated Oxygen Migration in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7âˆ’Î´</sub> Thin Films. ACS Nano, 2020, 14, 11765-11774. | 7.3 | 14 |
| 11 | Vortex pinning properties at dc and microwave frequencies of YBa2Cu3O7-x films with nanorods and nanoparticles. Superconductor Science and Technology, 2020, 33, 074006. | 1.8 | 7 |
| 12 | Nanoscale Correlations between Metalâ€“Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. Small, 2020, 16, e2001307. | 5.2 | 20 |
| 13 | Pyrolysis study of solution-derived superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>films: disentangling the physico-chemical transformations. Journal of Materials Chemistry C, 2020, 8, 10266-10282. | 2.7 | 8 |
| 14 | Suppression of superconductivity at the nanoscale in chemical solution derived YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7âˆ’Î´</sub>thin films with defective Y<sub>2</sub>Ba<sub>4</sub>Cu<sub>8</sub>O<sub>16</sub>intergrowths. Nanoscale Advances, 2020, 2, 3384-3393. | 2.2 | 6 |
| 15 | Intrinsic anisotropy and pinning anisotropy in nanostructured YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7âˆ’Î´ </sub> from microwave measurements. Superconductor Science and Technology, 2020, 33, 044017. | 1.8 | 14 |
| 16 | Multi-Terminal Transistor-Like Devices Based on Strongly Correlated Metallic Oxides for Neuromorphic Applications. Materials, 2020, 13, 281. | 1.3 | 3 |
| 17 | Intrinsic anisotropy versus effective pinning anisotropy in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YB</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math> thin f | 1.1 | 11 |
| 18 | Depairing Current at High Magnetic Fields in Vortex-Free High-Temperature Superconducting Nanowires. Nano Letters, 2019, 19, 4174-4179. | 4.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Control of nanostructure and pinning properties in solution deposited YBa2Cu3O7â^'x nanocomposites with preformed perovskite nanoparticles. Scientific Reports, 2019, 9, 5828. | 1.6 | 43 |
| 20 | Accelerated growth by flash heating of high critical current trifluoroacetate solution derived epitaxial superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> films. Journal of Materials Chemistry C, 2019, 7, 4748-4759. | 2.7 | 16 |
| 21 | Engineering Oxygen Migration for Homogeneous Volume Resistive Switching in 3â€Terminal Devices. Advanced Electronic Materials, 2019, 5, 1800629. | 2.6 | 18 |
| 22 | Probing the lattice anharmonicity of superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml | 1.1 | 7 |
| | mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></ via phonon harmonics. Physical Review B, 2019, 100, . | | |
| 23 | Electromigration in the dissipative state of high-temperature superconducting bridges. Applied Physics Letters, 2019, 114, . | 1.5 | 6 |
| 24 | Disentangling vortex pinning landscape in chemical solution deposited superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'x</sub>films and nanocomposites. Superconductor Science and Technology, 2018, 31, 034004. | 1.8 | 42 |
| 25 | Epitaxial YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'x</sub>nanocomposite films and coated conductors from BaMO<sub>3</sub>(M= Zr, Hf) colloidal solutions. Superconductor Science and Technology, 2018, 31, 044001. | 1.8 | 27 |
| 26 | Angular flux creep contributions in YBa2Cu3O7â^'Î´ nanocomposites from electrical transport measurements. Scientific Reports, 2018, 8, 5924. | 1.6 | 13 |
| 27 | Vortex Lattice Instabilities in YBa2Cu3O7-x Nanowires. Materials, 2018, 11, 211. | 1.3 | 12 |
| 28 | Electrochemical Tuning of Metal Insulator Transition and Nonvolatile Resistive Switching in Superconducting Films. ACS Applied Materials & Interfaces, 2018, 10, 30522-30531. | 4.0 | 17 |
| 29 | Untangling surface oxygen exchange effects in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub> thin films by electrical conductivity relaxation. Physical Chemistry Chemical Physics, 2017, 19, 14129-14140. | 1.3 | 17 |
| 30 | Epitaxial superconducting GdBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'Î´</sub>/Gd<sub>2</sub>O<sub>3</sub> nanocomposite thin films from advanced low-fluorine solutions. Superconductor Science and Technology, 2017, 30, 125010. | 1.8 | 27 |
| 31 | Competition between Superconductor â€“ Ferromagnetic stray magnetic fields in YBa2Cu3O7â^'x films pierced with Co nano-rods. Scientific Reports, 2017, 7, 5663. | 1.6 | 21 |
| 32 | Volume Resistive Switching in metallic perovskite oxides driven by the Metal-Insulator Transition. Journal of Electroceramics, 2017, 39, 185-196. | 0.8 | 26 |
| 33 | 6. Vortex dynamics in nanofabricated chemical solution deposition high-temperature superconducting films. , 2017, , 195-220. | | 1 |
| 34 | Inkjet-Printed Chemical Solution Y2O3 Layers for Planarization of Technical Substrates. Coatings, 2017, 7, 227. | 1.2 | 4 |
| 35 | Encoding Magnetic States in Monopoleâ€Like Configurations Using Superconducting Dots. Advanced Science, 2016, 3, 1600207. | 5.6 | 12 |
| 36 | Superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â€“Î´</sub> Nanocomposites Using Preformed ZrO<sub>2</sub> Nanocrystals: Growth Mechanisms and Vortex Pinning Properties. Advanced Electronic Materials, 2016, 2, 1600161. | 2.6 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Emerging Diluted Ferromagnetism in Highâ€T<sub>c</sub> Superconductors Driven by Point Defect Clusters. Advanced Science, 2016, 3, 1500295. | 5.6 | 41 |
| 38 | Solution design for low-fluorine trifluoroacetate route to YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>films. Superconductor Science and Technology, 2016, 29, 024002. | 1.8 | 40 |
| 39 | Trapping Flux Avalanches in Nb Films by Circular Stop-Holes of Different Size. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4. | 1.1 | 6 |
| 40 | First Observation of Flux Avalanches in a-MoSi Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4. | 1.1 | 23 |
| 41 | Resistive switching in CeO2/La0.8Sr0.2MnO3 bilayer for non-volatile memory applications. Microelectronic Engineering, 2015, 147, 37-40. | 1.1 | 30 |
| 42 | Geometrically controlled ratchet effect with collective vortex motion. New Journal of Physics, 2015, 17, 073022. | 1.2 | 10 |
| 43 | Epitaxial YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'x</sub>nanocomposite thin films from colloidal solutions. Superconductor Science and Technology, 2015, 28, 124007. | 1.8 | 49 |
| 44 | Size-controlled spontaneously segregated Ba<sub>2</sub>YTaO<sub>6</sub>nanoparticles in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>nanocomposites obtained by chemical solution deposition. Superconductor Science and Technology, 2014, 27, 044008. | 1.8 | 46 |
| 45 | Nanowall pinning for enhanced pinning force in YBCO films with nanofabricated structures. Physica C: Superconductivity and Its Applications, 2014, 506, 178-183. | 0.6 | 10 |
| 46 | Role of twin boundaries on vortex pinning of CSD YBCO nanocomposites. Superconductor Science and Technology, 2014, 27, 125009. | 1.8 | 29 |
| 47 | Vortex creep in TFAâ€"YBCO nanocomposite films. Superconductor Science and Technology, 2014, 27, 115008. | 1.8 | 15 |
| 48 | Integration of atomic layer deposition CeO2 thin films with functional complex oxides and 3D patterns. Thin Solid Films, 2014, 553, 7-12. | 0.8 | 21 |
| 49 | Magnetic and structural characterization of inkjet-printed<sup>TFA</sup>YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'x</sub>/<sup>MOD</sup>CZO/<sup>ABAD</su coated conductors. Superconductor Science and Technology, 2013, 26, 125004. | 1.8 | 37 |
| 50 | Flexible manufacturing of functional ceramic coatings by inkjet printing. Thin Solid Films, 2013, 548, 489-497. | 0.8 | 28 |
| 51 | Strain-driven broken twin boundary coherence in YBa2Cu3O7â^'Î´ nanocomposite thin films. Applied Physics Letters, 2013, 102, . | 1.5 | 39 |
| 52 | Unusual magneto-transport of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'Î´</sub>films due to the interplay of anisotropy, random disorder and nanoscale periodic pinning. New Journal of Physics, 2013, 15, 103022. | 1.2 | 20 |
| 53 | Solution-derived YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>nanocomposite films with a Ba<sub>2</sub>YTaO<sub>6</sub>secondary phase for improved superconducting properties. Superconductor Science and Technology, 2013, 26, 015001. | 1.8 | 42 |
| 54 | Nanostrain induced pinning in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7â^'x</sub>nanocomposites even close to the irreversibility line. Superconductor Science and Technology, 2012, 25, 122001. | 1.8 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Vortex motion in YBa<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /> | 1.1 | 38 |
| 56 | Low Temperature Epitaxial Oxide Ultrathin Films and Nanostructures by Atomic Layer Deposition. Chemistry of Materials, 2012, 24, 3732-3737. | 3.2 | 40 |
| 57 | Nucleation and mesostrain influence on percolating critical currents of solution derived YBa2Cu3O7 superconducting thin films. Physica C: Superconductivity and Its Applications, 2012, 482, 58-67. | 0.6 | 47 |
| 58 | Growth, nanostructure and vortex pinning in superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>thin films based on trifluoroacetate solutions. Superconductor Science and Technology, 2012, 25, 123001. | 1.8 | 155 |
| 59 | Nanoscale strain-induced pair suppression asÂaÂvortex-pinning mechanism in high-temperature superconductors. Nature Materials, 2012, 11, 329-336. | 13.3 | 298 |
| 60 | Pinning Landscape Analysis in YBCO Films With Epitaxial and/or Non-Coherent BZO Nanoparticles. IEEE Transactions on Applied Superconductivity, 2011, 21, 3243-3246. | 1.1 | 11 |
| 61 | Vortex Dynamics in Nanostructured TFA-Grown YBCO Films Studied by Ac Susceptibility. IEEE Transactions on Applied Superconductivity, 2011, 21, 3189-3191. | 1.1 | 2 |
| 62 | Nanostructured Superconductors with Efficient Vortex Pinning. , 2011, , 303-349. | | 24 |
| 63 | Interaction between solution derived BaZrO3 nanodot interfacial templates and YBa2Cu3O7 films leading to enhanced critical currents. Acta Materialia, 2011, 59, 2075-2082. | 3.8 | 30 |
| 64 | Perpendicular ac susceptibility and critical current density of distant superconducting twin films. Superconductor Science and Technology, 2011, 24, 075004. | 1.8 | 3 |
| 65 | Isotropic and anisotropic pinning in TFA-grown YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7 â^'x</sub>films with BaZrO<sub>3</sub>nanoparticles. Superconductor Science and Technology, 2011, 24, 125010. | 1.8 | 31 |
| 66 | Vortex oscillations in TFA-grown YBCO thin-films with BZO nanoparticles. Physica C: Superconductivity and Its Applications, 2010, 470, 2033-2039. | 0.6 | 6 |
| 67 | Vortex dynamics at high ac amplitudes of trifluoracetate route grown<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YBa</mml:mtext></mml:mrow><mml:mn>2</mml:mn></ Physical Review B, 2010, 81, . | 1.1 | 19 |
| 68 | Intermediate phase evolution in YBCO thin films grown by the TFA process. Superconductor Science and Technology, 2010, 23, 014012. | 1.8 | 41 |
| 69 | Evolution of Metal-Trifluoroacetate Precursors in the Thermal Decomposition toward High-Performance YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> Superconducting Films. Chemistry of Materials, 2010, 22, 1686-1694. | 3.2 | 74 |
| 70 | Vortex dynamics in thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YBa</mml:mtext></mml:mrow><mml:mn>2</mml:mn> three-dimensional nanoscale patterns. Physical Review B, 2009, 79, . | 1.1 | 10 |
| 71 | Enhanced Vortex Pinning in YBCO Coated Conductors With BZO Nanoparticles From Chemical Solution Deposition. IEEE Transactions on Applied Superconductivity, 2009, 19, 3258-3261. | 1.1 | 12 |
| 72 | Growth of Chemical Solution Deposited $^{m TFA}{m YBCO}/^{m MOD}({m Ce},{m Zr}){m O}_{2}/^{m ABAD}{m YSZ/SS}$Coated Conductors. IEEE Transactions on Applied Superconductivity, 2009, 19, 3212-3215. | 1.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Vortex Breaking and Cutting in Type II Superconductors. Physical Review Letters, 2008, 101, 097002. | 2.9 | 13 |
| 74 | Simultaneous determination of grain and grain-boundary critical currents inYBa2Cu3O7-coated conductors by magnetic measurements. Physical Review B, 2007, 75, . | 1.1 | 31 |
| 75 | Artificial magnetic granularity effects on patterned epitaxial<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mi mathvariant="normal">Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Cu</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>−</mml:mo><mml:mi>x</mml:mi></mml:mrow></ | 1.1 | 8 |
| 76 | Grain and grain boundary vortex dynamics in YBa2Cu3O7â€ˆ coated conductor by ac susceptibility. Journal of Applied Physics, 2007, 102, 073911. | 1.1 | 11 |
| 77 | Hysteretic Vortex Pinning in Superconductor-Ferromagnet Nanocomposites. Physical Review Letters, 2007, 98, 117003. | 2.9 | 45 |
| 78 | Magnetic vortex pinning in superconductor/ferromagnet nanocomposites. Superconductor Science and Technology, 2007, 20, S136-S140. | 1.8 | 9 |
| 79 | Progress towards all-chemical superconducting YBa2Cu3O7-coated conductors. Superconductor Science and Technology, 2006, 19, S13-S26. | 1.8 | 205 |
| 80 | All-chemical YBa2Cu3O7coated conductors on IBAD-YSZ stainless steel substrates. Superconductor Science and Technology, 2006, 19, L1-L4. | 1.8 | 22 |
| 81 | Correlation between grain and grain-boundary critical current densities in ex situ coated conductors with variable YBa2Cu3O7â^'Î´ layer thickness. Applied Physics Letters, 2006, 88, 122502. | 1.5 | 17 |
| 82 | New Microcrack Network Generation in TSMTG YBCO. Journal of Physics: Conference Series, 2006, 43, 397-400. | 0.3 | 0 |
| 83 | Crossover between Channeling and Pinning at Twin Boundaries inYBa2Cu3O7Thin Films. Physical Review Letters, 2006, 97, 257002. | 2.9 | 45 |
| 84 | Porosity induced magnetic granularity in epitaxialYBa2Cu3O7thin films. Physical Review B, 2006, 73, . | 1.1 | 18 |
| 85 | Grain and grain-boundary critical currents in coated conductors with noncorrelating YBa2Cu3O7 and substrate grain-boundary networks. Applied Physics Letters, 2006, 88, 132508. | 1.5 | 9 |
| 86 | Pinning regimes of grain boundary vortices inYBa2Cu3O7â^'xcoated conductors. Physical Review B, 2006, 73, . | 1.1 | 24 |
| 87 | Determination of the inter- and intra-granular critical currents in superconducting YBa2Cu3O7welds. Superconductor Science and Technology, 2005, 18, 1227-1232. | 1.8 | 10 |
| 88 | Effect of Strain on Grain and Grain-Boundary Critical Currents of YBCO Coated Conductors. IEEE Transactions on Applied Superconductivity, 2005, 15, 2790-2793. | 1.1 | 6 |
| 89 | Magnetization and critical current of finite superconductingYBa2Cu3O7rings. Physical Review B, 2005, 72, . | 1.1 | 13 |
| 90 | The identification of grain boundary networks of distinct critical current density in YBa2Cu3O7Âxcoated conductors. Superconductor Science and Technology, 2004, 17, 1283-1288. | 1.8 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Simultaneous inductive determination of grain and intergrain critical current densities of YBa2Cu3O7â˜'x coated conductors. Applied Physics Letters, 2004, 84, 230-232. | 1.5 | 69 |
| 92 | Comparison of ac susceptibility of YBa2Cu3O7 coated conductors and single crystals. Applied Physics Letters, 2004, 85, 5646-5648. | 1.5 | 19 |
| 93 | Chemical solution deposition: a path towards low cost coated conductors. Superconductor Science and Technology, 2004, 17, 1055-1064. | 1.8 | 121 |
| 94 | Chemical solution techniques for epitaxial growth of oxide buffer and YBa2Cu3O7 films. Journal of the European Ceramic Society, 2004, 24, 1831-1835. | 2.8 | 14 |
| 95 | Chemical solution growth of superconductors: a new path towards high critical current coated conductors. Physica C: Superconductivity and Its Applications, 2004, 408-410, 913-914. | 0.6 | 4 |
| 96 | Magnetic granularity analysis of YBCO coated conductors. Physica C: Superconductivity and Its Applications, 2004, 408-410, 866-868. | 0.6 | 3 |
| 97 | Inductive analysis of magnetic granularity effects in YBCO IBAD and RABiTS coated conductors. IEEE Transactions on Applied Superconductivity, 2003, 13, 2599-2602. | 1.1 | 8 |
| 98 | High quality YBa2Cu3O7thin films grown by trifluoroacetates metalorganic deposition. Superconductor Science and Technology, 2003, 16, 45-53. | 1.8 | 56 |
| 99 | Influence of porosity on the critical currents of trifluoroacetate-MOD YBa/sub 2/Cu/sub 3/O/sub 7/ films. IEEE Transactions on Applied Superconductivity, 2003, 13, 2504-2507. | 1.1 | 38 |
| 100 | Characterization of superconducting rings using an in-field hall probe magnetic mapping system. IEEE Transactions on Applied Superconductivity, 2003, 13, 3667-3670. | 1.1 | 23 |
| 101 | Melt growth and microstructure development of high critical current REBa2Cu3O7superconductors with a natural mixture of rare earths. Superconductor Science and Technology, 2002, 15, 60-66. | 1.8 | 6 |
| 102 | Growth and microstructure of MTG REBa2Cu3O7/REBaCuO5 with heavy rare earth elements. Physica C: Superconductivity and Its Applications, 2002, 372-376, 1119-1122. | 0.6 | 8 |
| 103 | Epitaxial nucleation and growth of buffer layers and Y123 coated conductors deposited by metal-organic decomposition. Physica C: Superconductivity and Its Applications, 2002, 372-376, 806-809. | 0.6 | 9 |