

# Son Xuat Ta

## List of Publications by Year in descending order

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1361  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Low-Profile Broadband Circularly Polarized Patch Antenna Using Metasurface. IEEE Transactions on Antennas and Propagation, 2015, 63, 5929-5934.  | 5.1 | 230       |
| 2  | Broadband Printed-Dipole Antenna and Its Arrays for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2183-2186.  | 4.0 | 222       |
| 3  | Crossed Dipole Loaded With Magneto-Electric Dipole for Wideband and Wide-Beam Circularly Polarized Radiation. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 358-361.                                   | 4.0 | 142       |
| 4  | Multi-Band, Wide-Beam, Circularly Polarized, Crossed, Asymmetrically Barbed Dipole Antennas for GPS Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 5771-5775.                              | 5.1 | 134       |
| 5  | Crossed Dipole Antennas: A review. IEEE Antennas and Propagation Magazine, 2015, 57, 107-122.  | 1.4 | 132       |
| 6  | Compact Wideband Circularly Polarized Patch Antenna Array Using Metasurface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1932-1936.  | 4.0 | 96        |
| 7  | Circularly Polarized Crossed Dipole on an HIS for 2.4/5.2/5.8-GHz WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1464-1467.  | 4.0 | 78        |
| 8  | Dual-Band Low-Profile Crossed Asymmetric Dipole Antenna on Dual-Band AMC Surface. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 587-590.   | 4.0 | 70        |
| 9  | Dual-band wide-beam crossed asymmetric dipole antenna for GPS applications. Electronics Letters, 2012, 48, 1580-1581.  | 1.0 | 60        |
| 10 | A Compact Circularly Polarized Crossed-Dipole Antenna for an RFID Tag. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 674-677.  | 4.0 | 47        |
| 11 | Compact Circularly Polarized Composite Cavity-Backed Crossed Dipole for GPS Applications. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2013, 13, 44-50.                             | 3.0 | 47        |
| 12 | Planar wideband circularly polarized metasurface-based antenna array. Journal of Electromagnetic Waves and Applications, 2016, 30, 1620-1630.  | 1.6 | 44        |
| 13 | Wideband quasi- $\epsilon$ yagi antenna fed by microstrip $\epsilon$ -slotline transition. Microwave and Optical Technology Letters, 2012, 54, 150-153.  | 1.4 | 43        |
| 14 | Single-Feed, Wideband, Circularly Polarized, Crossed Bowtie Dipole Antenna for Global Navigation Satellite Systems. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2014, 14, 299-305. | 3.0 | 39        |
| 15 | Solar-Cell Metasurface-Integrated Circularly Polarized Antenna With 100% Insolation. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2675-2678.  | 4.0 | 37        |
| 16 | Dual-band operation of a circularly polarized radiator on a finite artificial magnetic conductor surface. Journal of Electromagnetic Waves and Applications, 2014, 28, 880-892.                                    | 1.6 | 34        |
| 17 | Wide-Beam Circularly Polarized Crossed Scythe-Shaped Dipoles for Global Navigation Satellite Systems. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2013, 13, 224-232.               | 3.0 | 29        |
| 18 | Broadband Dual-Polarized Antenna Using Metasurface for Full-Duplex Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 254-258.  | 4.0 | 28        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Broadband Electrically Small Circularly Polarized Directive Antenna. IEEE Access, 2017, 5, 14657-14663.   | 4.2 | 26        |
| 20 | A Low-Profile Wideband Tripolarized Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 1946-1951.  | 5.1 | 24        |
| 21 | Dual-Polarized Omnidirectional Antenna with Simple Feed and Ultra-wide Bandwidth. IEEE Antennas and Wireless Propagation Letters, 2020, , 1-1.  | 4.0 | 24        |
| 22 | WIDEBAND DOUBLE-DIPOLE YAGI-UDA ANTENNA FED BY A MICROSTRIP-SLOT COPLANAR STRIPLINE TRANSITION. Progress in Electromagnetics Research B, 2012, 44, 71-87.   | 1.0 | 23        |
| 23 | Compact Crossed-Dipole Antennas Loaded With Near-Field Resonant Parasitic Elements. IEEE Transactions on Antennas and Propagation, 2017, 65, 482-488.   | 5.1 | 23        |
| 24 | A Tripolarized Antenna With Ultrawide Operational Bandwidth. IEEE Transactions on Antennas and Propagation, 2020, 68, 4386-4396.  | 5.1 | 22        |
| 25 | Compact Wideband Sequential-Phase Feed for Sequentially Rotated Antenna Arrays. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 661-664.  | 4.0 | 21        |
| 26 | Planar, Lightweight, Circularly Polarized Crossed Dipole Antenna for Handheld UHF RFID Reader. Microwave and Optical Technology Letters, 2013, 55, 1874-1878.   | 1.4 | 20        |
| 27 | Artificial magnetic conductor-based circularly polarized crossed-dipole antennas: 2. AMC structure without grounding pins. Radio Science, 2017, 52, 642-652.  | 1.6 | 20        |
| 28 | Wideband Differentially Fed Dual-Polarized Antenna for Existing and Sub-6 GHz 5G Communications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2033-2037.   | 4.0 | 19        |
| 29 | Bandwidth-Enhanced Low-Profile Antenna with Parasitic Patches. International Journal of Antennas and Propagation, 2017, 2017, 1-11.   | 1.2 | 17        |
| 30 | Artificial magnetic conductor-based circularly polarized crossed-dipole antennas: 1. AMC structure with grounding pins. Radio Science, 2017, 52, 630-641.   | 1.6 | 16        |
| 31 | Bandwidth enhancement of circularly polarized fabry-perot antenna using single-layer partially reflective surface. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21774.    | 1.2 | 15        |
| 32 | Cavity-Backed Angled-Dipole Antennas for Millimeter-Wave Wireless Applications. International Journal of Antennas and Propagation, 2016, 2016, 1-11.  | 1.2 | 14        |
| 33 | Broadband printed-dipole antennas for millimeter-wave applications. , 2017, , .   |     | 13        |
| 34 | Closely Spaced Two-Element Folded-Dipole-Driven Quasi-Yagi Array. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2012, 12, 254-259.  | 3.0 | 10        |
| 35 | Planar circularly polarized X-band array antenna with low sidelobe and high aperture efficiency for small satellites. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21914. | 1.2 | 9         |
| 36 | Design of a Low-Profile Tripolarized Antenna With Wide Bandwidth. IEEE Access, 2019, 7, 82701-82708.  | 4.2 | 9         |

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|----|---|-----|-----------|
| 37 | Wideband Low-Profile Printed Dipole Antenna Incorporated With Folded Strips and Corner-Cut Parasitic Patches Above the Ground Plane. <i>IEEE Access</i> , 2019, 7, 15537-15546.   | 4.2 | 9         |
| 38 | Design of compact broadband <scp>dualâ€polarized</scp> antenna for <scp>5G</scp> applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021, 31, e22615.                                    | 1.2 | 9         |
| 39 | Design of Miniaturized Dual-Band Artificial Magnetic Conductor with Easy Control of Second/First Resonant Frequency Ratio. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2013, 13, 104-112. | 3.0 | 9         |
| 40 | A wideband double dipole quasi-Yagi antenna using a microstrip-slotline transition feed. , 2012, , .  |     | 8         |
| 41 | A cavity-backed angled-dipole antenna array for low millimeter-wave bands. , 2016, , .  |     | 8         |
| 42 | Wideband Double Dipole Quasi-Yagi Antenna Using a Microstrip-to-Slotline Transition Feed. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2013, 13, 22-27.                                    | 3.0 | 8         |
| 43 | Planar High-Isolation Dual-Band Dual-Mode Antenna With Omni-/Unidirectional Radiation. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2022, 21, 99-103.  | 4.0 | 8         |
| 44 | Dualâ€band printed dipole antenna with wide beamwidth for WLAN access points. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 2806-2811.  | 1.4 | 7         |
| 45 | Dual-Band Operation of a Circularly Polarized Four-Arm Curl Antenna with Asymmetric Arm Length. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-10.  | 1.2 | 7         |
| 46 | High-Efficiency, High-Gain, Broadband Quasi-Yagi Antenna and Its Array for 60-GHz Wireless Communications. <i>Journal of the Korean Institute of Electromagnetic Engineering and Science</i> , 2013, 13, 178-185.                 | 3.0 | 7         |
| 47 | Wideband Dual-Circularly Polarized Antennas Using Aperture-Coupled Stacked Patches and Single-Section Hybrid Coupler. <i>IEEE Access</i> , 2022, 10, 21883-21891.   | 4.2 | 7         |
| 48 | Slot-line-fed quasi-Yagi antenna. , 2010, , .   |     | 5         |
| 49 | High gain 60 GHz band printed quasi-Yagi antenna using a novel microstrip-slotline transition feed. , 2012, , .   |     | 5         |
| 50 | Metasurface-based circularly polarized patch array antenna using sequential phase feed. , 2017, , .   |     | 5         |
| 51 | Single-dipole antenna on a metasurface for broadband circularly polarized radiation. <i>Journal of Electromagnetic Waves and Applications</i> , 2018, 32, 413-427.  | 1.6 | 5         |
| 52 | Applications of circularly polarized crossed dipole antennas. , 2014, , .   |     | 4         |
| 53 | A circularly polarized antenna integrated with metasurface solar cells. , 2017, , .   |     | 4         |
| 54 | A Circularly Polarized Antenna Integrated with a Solar Cell Metasurface for CubeSat. , 2018, , .  |     | 4         |

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|----|---|-----|-----------|
| 55 | LOW-PROFILE, DUAL-BAND, UNIDIRECTIONAL RFID TAG ANTENNA USING METASURFACE. Progress in Electromagnetics Research C, 2019, 93, 131-141.  | 0.9 | 4         |
| 56 | Broadband dual-polarized omnidirectional antenna with simple feeding structure. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22213.                           | 1.2 | 4         |
| 57 | Multiband-Notched UWB Antenna Using Folded Slots in the Feeding Structure. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2014, 14, 31-35.                           | 3.0 | 4         |
| 58 | Circularly polarized dual-band crossed dipole antenna on an artificial magnetic conductor reflector. , 2013, , .  |     | 3         |
| 59 | Wide-beam circularly polarized composite cavity-backed crossed scythe-shaped dipole. , 2013, , .  |     | 3         |
| 60 | Broadband design of a low-profile, circularly polarized crossed dipole antenna on an AMC surface. , 2014, , .   |     | 3         |
| 61 | Wideband circularly polarized antenna for GNSS applications. , 2014, , .  |     | 3         |
| 62 | A single-feed dual-band antenna for an anti-jam GPS array. , 2015, , .  |     | 3         |
| 63 | A multiarm curl antenna for GPS applications. Journal of Electromagnetic Waves and Applications, 2015, 29, 80-91.   | 1.6 | 3         |
| 64 | Wideband circularly polarized slot coupled metasurface-based array antenna. , 2016, , .   |     | 3         |
| 65 | A low-profile $\pm 45^\circ$ dual-polarized antenna based on metasurface and its arrays for base station applications. Journal of Electromagnetic Waves and Applications, 2018, 32, 1748-1767.    | 1.6 | 3         |
| 66 | <scp>Single-feed slotted patch</scp> antenna loaded with metasurface for <scp>CubeSat</scp> applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22560. | 1.2 | 3         |
| 67 | Two-dimensional cavity-backed angled-dipole array antenna for 28-GHz band. , 2017, , .  |     | 2         |
| 68 | Bandwidth and F-B ratio enhancements of an electrically-small crossed-dipole antenna using an NFRP reflector. , 2017, , .   |     | 2         |
| 69 | A Low-Cost, Light-Weight, High-Efficiency Fabry-Perot Antenna. , 2018, , .  |     | 2         |
| 70 | Low-profile crossed-dipole antenna loaded with parasitic patches. , 2018, , .   |     | 2         |
| 71 | Single-Feed Composite Cavity-Backed Four-Arm Curl Antenna. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2014, 14, 360-366.   | 3.0 | 2         |
| 72 | Design of Broadband Quasi-Yagi Antenna Using a Folded Dipole Driver. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2011, 11, 227-233.                               | 3.0 | 2         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | A Wideband Full-Duplex Dual-Polarized Antenna with Conical Radiation Pattern. , 2021, , .  |     | 2         |
| 74 | Single-feed four-arm curl antenna for circularly polarized radiation. , 2015, , .  |     | 1         |
| 75 | A circularly polarized patch antenna loaded with metamaterial. , 2015, , .   |     | 1         |
| 76 | Wideband circularly polarized dipole array using a sequential-phase feed. , 2016, , .  |     | 1         |
| 77 | Broadband circularly polarized NFRP antenna using crossed dipole driver. , 2017, , .   |     | 1         |
| 78 | Minimization of Circularly Polarized Patch Antenna Using Metasurface. , 2018, , .  |     | 1         |
| 79 | A PLANAR WIDEBAND TWO-LEVEL SEQUENTIALLY ROTATED ARRAY ANTENNA FOR X-BAND CUBESAT. Progress in Electromagnetics Research C, 2019, 97, 57-67. | 0.9 | 1         |
| 80 | Design Strategies for Tripolarized Antennas with Wideband Characteristic. , 2020, , .  |     | 1         |
| 81 | POLARIZATIONS OF CROSSED-DIPOLE ANTENNA LOADED WITH DIFFERENT NFRP ELEMENTS. Progress in Electromagnetics Research M, 2018, 75, 131-140.     | 0.9 | 1         |
| 82 | A dual-band wide-beamwidth WLAN access point antenna. , 2013, , .  |     | 0         |
| 83 | Two-element folded-dipole-driven quasi-Yagi array with low mutual coupling. , 2013, , .  |     | 0         |
| 84 | Profile miniaturization and bandwidth enhancements of crossed dipoles on artificial magnetic conductor surfaces. , 2014, , .                 |     | 0         |
| 85 | Single-feed dual-band circularly polarized asymmetric four-arm curl antenna. , 2015, , .   |     | 0         |
| 86 | Reconfigurable circularly polarized cross-dipole antenna with a near-field resonant parasitic element. , 2018, , .                           |     | 0         |
| 87 | Wideband Vertically-Polarized Antenna for 2G/3G/4G/5G Indoor Base Stations. , 2021, , .  |     | 0         |
| 88 | Dual-Polarized Stepped-Dipole Antenna for Existing and New Generation Base-Stations. , 2021, , .   |     | 0         |
| 89 | Genetic Programming for automated Synthesizing 3D Artificial Magnetic Conductor. , 2020, , .   |     | 0         |
| 90 | A Sequentially Rotated Array of Polarization-Conversion Patch Antenna Using Metasurface. , 2020, , .   |     | 0         |