

ДУШАН Н. ГРУЈИЋ

Библиографија научних и стручних радова

Душан Грујић је аутор или коаутор 12 радова у међународним научним часописима са *SCI* листе, 21 других радова (у часописима без импакт фактора, на међународним и националним конференцијама) и 2 патента. Списак радова, категорисан према *Правилнику о њосиууику и начину вредновања, и квантифитивном исказивању научноистраживачких резултата истраживача*, дат је у наставку. Референце обележене са * су из изборног периода, док су остале референце из претходног периода.

Категорија M20 - Радови објављени у научним часописима међународног значаја

- M20.1. ***Grujić D. N.**, Simple and Accurate Approximation of Rough Conductor Surface Impedance, *IEEE Transactions on Microwave Theory and Techniques*, Vol. 70, No. 4, pp. 2053 - 2059, Apr, 2022, DOI: 10.1109/TMTT.2021.3137254, (**M21, IF 2022 4.381**)
- M20.2. ***Grujić D. N.**, *Comments on "Generalized Adaptive Polynomial Window Function"*, *IEEE Access*, Vol. 10, pp. 441 - 442, Dec, 2021, DOI: 10.1109/ACCESS.2021.3137287, (**M21, IF 2021 3.745**)
- M20.3. ***Grujić D. N.**, *Numerical Hilbert Transform Algorithm for Causal Interpolation of Functions Represented by Cubic and Exponential Splines*, *IEEE Access*, Vol. 9, pp. 136702 - 136709, Oct, 2021, DOI: 10.1109/ACCESS.2021.3117978, (**M21, IF 2021 3.745**)
- M20.4. **Grujić D. N.**, Saranovac L., *Multi-angle Constant Multiplier Givens Rotation Algorithm*, *Circuits, Systems, and Signal Processing*, Vol. 38, No. 9, pp. 4229 - 4244, Sep, 2019, ISSN: 0278-081X, DOI: 10.1007/s00034-019-01060-x, (**M22, IF 2017 1.998**)
- M20.5. **Grujić D. N.**, *Closed-Form Solution of Rough Conductor Surface Impedance*, *IEEE Transactions on Microwave Theory and Techniques*, Vol. 66, No. 11, pp. 4677 - 4683, Aug, 2018, ISSN: 0018-9480, DOI: 10.1109/TMTT.2018.2864586, (**M21, IF 2018 3.756**)
- M20.6. Milićević M., Milinković B., **Grujić D.**, Saranovac L., *Power and Conjugately Matched High Band UWB Power Amplifier*, *IEEE Transactions on Circuits and Systems I-Regular Papers*, Vol. 65, No. 10, pp. 3138 - 3149, Mar, 2018, ISSN: 1549-8328, DOI: 10.1109/TCSI.2018.2815612, (**M21, IF 2018 3.934**)
- M20.7. **Grujić D. N.**, *Numerical Hilbert Transform Algorithm for Causal Interpolation of Piecewise Polynomial Even and Odd Functions*, *IEEE Transactions on Microwave Theory and Techniques*, Vol. 65, No. 6, pp. 2000 - 2008, Jun, 2017, ISSN: 0018-9480, DOI: 10.1109/TMTT.2016.2647721, (**M21, IF 2017 3.176**)
- M20.8. Milićević M., Milinković B., Simić Đ., **Grujić D.**, Saranovac L.: *Temperature and process compensated RF power detector*, *Informacije MIDEM - Journal of microelectronics electronic components and materials*, vol. 46, No. 1, pp. 24 - 28, Mar, 2016, ISSN: 0352-9045, (**M23, IF 2016 0.478**)
- M20.9. **Grujić D.**, Božović M., Savić M.: *BSIM4 to PSP Model Conversion: A Case Study*, *Jorunal of Circuits, Systems, and Computers*, Vol. 25, No. 3, pp. 1640011-1 - 1640011-17, Mar. 2016, ISSN: 0218-1266, DOI: 10.1142/S0218126616400119, (**M23, IF 2016 0.481**)
- M20.10. Milosavljević I., **Grujić D.**, Simić Đ., Popović-Božović J.: *Estimation and compensation of process-induced variations in capacitors for improved reliability in integrated circuits*, *Analog Integrated Circuits and Signal Processing*, Springer US, vol. 81, no. 1, pp. 253-264, Oct. 2014, ISSN: 0925-1030, DOI: 10.1007/s10470-014-0390-1, (**M23, IF 2014 0.468**)
- M20.11. **Grujić D.**, Savić M., Bingöl C., Saranovac L.: *60 GHz SiGe:C HBT Power Amplifier with 17.4 dBm Output Power and 16.3% PAE*, *Microwave and Wireless Components Letters*, IEEE, vol. 22, no. 4, pp. 194-196, Apr. 2012, ISSN: 1531-1309, DOI:

10.1109/LMWC.2012.2188623, (M21, IF 2012 1.784)

- M20.12. **Grujić D.**, Savić M., Popović-Božović J.: *A Power Efficient Frequency Divider for 60 GHz Band*, Microwave and Wireless Components Letters, IEEE , vol. 21, no. 3, pp. 148-150, Mar. 2011, ISSN: 1531-1309, DOI: 10.1109/LMWC.2010.2103357, (M21, IF 2011 1.717)

Категорија M30 - Зборници међународних научних скупова

- M30.1. ***Grujić D.**: *Some Properties of Rough Conductor Surface Impedance*, ICIAS 2025, pp. 299-304, Konya, Turkey, Sep. 2025. ISBN: 978-625-5794-27-7. (M33)
- M30.2. ***Grujić D.**, Petrović N.: *On the Design of Generalized Cosine Window Functions*, Proceedings of 12th International Conference IcETRAN, DOI: 10.1109/IcETRAN66854.2025.11114331, Čačak, Jun. 2025. (M33)
- M30.3. **Grujić D.**, Božović M., Jovanović P., Savić M., Božić M.: *On the Selection of LDO for RF Applications*, Proceedings of 5th International Conference IcETRAN, pp. 829 - 832, Palić, Jun. 2018. (M33)
- M30.4. Jovanović P., **Grujić D.**, Savić M., Saranovac L.: *Method for measuring the settling time of integrated PLL using Spectrum Analyzer*, Proceedings of 4th International Conference on Electrical, Electronics and Computing Engineering, pp. ELI3.1.1 - 4, Kladovo, Jun 2017. (M33)
- M30.5. **Grujić D.**, Jovanović P., Savić M.: *Using Software Defined Radio for RF Measurements*, Zooming Innovation in Consumer Electronics International Conference (ZINC), 2017, pp. 24 - 27, Novi Sad, May 2017. (M33)
- M30.6. **Grujić D. N.**, Jovanović P., Savić M., Saranovac L.: *On the Importance of Electromagnetic Models in RFIC Design*, INDEL 2016, pp 1-11, Banja Luka, Nov. 2016. (M31)
- M30.7. **Grujić D.**, Božović M., Savić M.: *BSIM4 to PSP Model Conversion for Passive Mixer IM3 Simulation*, IEEE 18th International Symposium on Design and Diagnostics of Electronic Circuits & Systems, pp. 137 - 142, Belgrade, Apr. 2015 (M33)
- M30.8. **Grujić D.**, Saranovac L.: *Design of Monolithic Microwave Integrated Circuits for 60 GHz Band*, 22nd Telecommunications forum TELFOR 2014 , Belgrade, Serbia, 25.-27. Nov. 2014. (M31)
- M30.9. Miličević M., Milinković B., Simić Đ., **Grujić D.**, Đurić R.: *Temperature and Process Compensated Broad Band CMOSRF Power Detector*, 37th International Conference of IMAPS-CPMT, Krakow, Poland, 22.-25. Sep. 2013. (M33)
- M30.10. **Grujić D.**, Savić M., Bingöl C., Saranovac L.: *Wide-bandwidth 60 GHz differential LNA in SiGe:C technology*, Circuits and Systems for Communications (ECCSC), 2010 5th European Conference on, pp. 71-74, Belgrade, Serbia, 23.-25. Nov. 2010. (M33)

Категорија M50 - Часописи националног значаја

- M50.1. **Grujić D.**, Saranovac L., *Broadband Power Amplifier Limitations due to Package Parasitics*, Serbian Journal of Electrical Engineering, Vol. 12, No. 3, pp. 275 - 291, Oct, 2015, ISSN: 1451-4869, DOI: 10.2298/SJEE1503275G, (M51)

Категорија M60 - Зборници скупова националног значаја

- M60.1. *Petrović N., **Grujić D.**: *Sistem za prijem podataka sa FMCW radarskog senzora preko LVDS interfejsa*, Zbornik radova sa 51. konferencije ETRAN, Čačak, Jun 2025. (M63)
- M60.2. ***Grujić D.**: *Free Software for Analog and Digital Design*, PSSOH21, pp. 102 - 112, Beograd, Oct. 2021. (M63)
- M60.3. **Grujić D.**, Savić M., Jovanović P.: *Estimation of Power Amplifier Package Model from*

Frequency Sweep Measurements, 7th Small Systems Simulation Symposium, pp. 18 - 20, Innovation Center of Advanced Technologies and Faculty of Electronic Engineering, Niš, Feb. 2018. **(M63)**

- M60.4. Savić M., Božić M., Božović M., Jovanović P., **Grujić D.**: *LMS8001 Companion Board – A Highly Configurable 4-Channel Frequency Shifter Platform Utilising the LMS8001A RFIC*, 7th Small Systems Simulation Symposium, pp. 21 - 23, Innovation Center of Advanced Technologies and Faculty of Electronic Engineering, Niš, Feb. 2018. **(M63)**
- M60.5. **Grujić D.**, Božović M., Jovanović P., Savić M., Saranovac L.: *Periodic Steady State Simulation of Mixed Signal RF Circuits*, 6th Small Systems Simulation Symposium, pp. 116 - 120, Niš, Feb. 2016. **(M63)**
- M60.6. Krčum D., **Grujić D.**, Savić M., Saranovac L.: *Behavioral Simulation of 60 GHz FMCW Radar using CppSim Simulator*, Proceedings of the 5th Small Systems Simulation Symposium 2014, Niš, Serbia, pp. 11-15, 12.-14. Feb. 2014. **(M63)**
- M60.7. **Grujić D.**, Jovanović P., Krčum D., Savić M.: *RFIC Passive Component Design and Simulation in Python*, Proceedings of the 5th Small Systems Simulation Symposium 2014, Niš, Serbia, pp. 55-58, 12.-14. Feb. 2014. **(M63)**
- M60.8. **Grujić D.**, Popović-Božović J., Savić M.: *Baseband PLL frequency synthesizer for LDR UWB transmitter*, 16th Telecommunications forum TELFOR 2008 , Belgrade, Serbia, pp. 297-299, 25.-27. Nov. 2008. **(M63)**
- M60.9. **Grujić D.**, Tasovac D., Saranovac L.: *FPGA implementacija QR dekompozicije matrice*, Zbornik radova sa 51. konferencije ETRAN, Herceg Novi, Crna Gora, Jun 2007, Broj rada EK1.5, 2007. **(M63)**
- M60.10. Nijemčević Đ., **Grujić D.**, Saranovac L., Popović-Božović J.: *FPGA implementacija sistema za automatsko upravljanje bespilotnom letelicom*, Zbornik radova sa 51. konferencije ETRAN, Herceg Novi, Crna Gora, Jun 2007, Broj rada EK1.4, 2007. **(M63)**

Категорија M90 - Патенти

- M90.1. Branković V., **Grujić D.**, Jovanović P., Mihajlović V., Savić M., Tasovac D., *Millimetre-wave seat occupation radar sensor*, US 9,865,150 B2, US Patent and Trademark Office (USPTO), USA, Jan, 2018 **(M91)**
- M90.2. Branković V., **Grujić D.**, Jovanović P., Mihajlović V., Savić M., Tasovac D., *MM-wave radar driver fatigue sensor apparatus*, US 9,862,271 B2, US Patent and Trademark Office (USPTO), USA, Jan, 2018 **(M91)**

Цитираност радова

У бази података SCOPUS кандидат има 18 радова, који су укупно цитирани 73 пута у укупно 67 радова. Без аутоцитата и коцитата, радови су цитирани укупно 58 пута и то: M20.1 4 пута, M20.2 једном, M20.3 5 пута, M20.4 једном, M20.5 8 пута, M20.6 13 пута, M20.7 6 пута, M20.8 једном, M20.10 2 пута, M20.11 11 пута и M20.12 6 пута.

Београд, 17. 10. 2025. године

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