

# Gordana Jovanovic Dolecek

## List of Publications by Year in descending order

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127  
papers

619  
citations

933447

10  
h-index

794594

19  
g-index

128  
all docs

128  
docs citations

128  
times ranked

174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximally Flat CIC Compensation Filter: Design and Multiplierless Implementation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 113-117.	3.0	53
2	Design of wideband CIC compensator filter for a digital IF receiver. , 2009, 19, 827-837.		44
3	Trigonometrical approach to design a simple wideband comb compensator. AEU - International Journal of Electronics and Communications, 2014, 68, 437-441.	2.9	37
4	General polynomial factorization-based design of sparse periodic linear arrays. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1952-1966.	3.0	33
5	Novel droop-compensated comb decimation filter with improved alias rejections. AEU - International Journal of Electronics and Communications, 2013, 67, 387-396.	2.9	30
6	A General Method to Design GCF Compensation Filter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 409-413.	3.0	26
7	Novel Multiplierless Wideband Comb Compensator with High Compensation Capability. Circuits, Systems, and Signal Processing, 2017, 36, 2031-2049.	2.0	24
8	LC-Based Bandpass Continuous-Time Sigma-Delta Modulators With Widely Tunable Notch Frequency. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1442-1455.	5.4	21
9	Design of Efficient Multiplierless Modified Cosine-Based Comb Decimation Filters: Analysis and Implementation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 1051-1063.	5.4	20
10	A novel two-stage nonrecursive architecture for the design of generalized comb filters. , 2012, 22, 859-868.		18
11	An L1 design of GCF compensation filter. Signal Processing, 2011, 91, 1143-1149.	3.7	17
12	MATLAB-Based Program for Teaching Autocorrelation Function and Noise Concepts. IEEE Transactions on Education, 2012, 55, 349-356.	2.4	17
13	Exploiting features of symmetric polynomials for improved comb filter design. , 2016, , .		16
14	Design of CIC Compensator Filter in a Digital IF Receiver. , 2008, , .		13
15	On Design of CIC Decimation Filter with Improved Response. , 2008, , .		12
16	On design of two-stage CIC compensation filter. , 2009, , .		12
17	Improving comb alias rejection by exploiting certain class of palindromic polynomials. , 2017, , .		12
18	Non-recursive comb-decimation filter with an improved alias rejection. , 2012, , .		10

#	ARTICLE	IF	CITATIONS
19	Comb decimator design based on symmetric polynomials with roots on the unit circle: Two-stage multiplierless design and improved magnitude characteristic. <i>International Journal of Circuit Theory and Applications</i> , 2022, 50, 2210-2227.	2.0	10
20	Novel multiplierless wide-band CIC compensator. , 2010, , .		9
21	A New Two-Stage CIC-Based Decimation Filter. <i>Proc Int Symp Image Signal Process Anal</i> , 2007, , .	0.0	7
22	On MATLAB demonstrations of narrowband Gaussian noise. <i>Computer Applications in Engineering Education</i> , 2011, 19, 598-603.	3.4	7
23	Interactive MATLAB-based demo program for sum of independent random variables. <i>Computer Applications in Engineering Education</i> , 2013, 21, 372-385.	3.4	7
24	On design of a multiplierless very sharp Hilbert transformer by using identical subfilters. , 2010, , .		6
25	Simplified rotated sinc (RS) filter for sigma-delta A/D converters. , 2010, , .		6
26	Low power sharpened comb decimation filter. , 2010, , .		6
27	Random Signals and Processes Primer with MATLAB. , 2013, , .		6
28	Design of Decimation Filter With Improved Magnitude Characteristic and Low Complexity. <i>IEEE Access</i> , 2022, 10, 63455-63465.	4.2	6
29	Compensated CIC-cosine decimation filter. , 2007, , .		5
30	Generalized CIC-cosine decimation filter. , 2010, , .		5
31	Design of wideband comb compensator based on magnitude response using two sinusoidals and particle swarm optimization. <i>AEU - International Journal of Electronics and Communications</i> , 2021, 130, 153570.	2.9	5
32	Stepped Triangular CIC-Cosine Decimation Filter. , 2006, , .		4
33	Stepped Triangular CIC Filter for Rational Sample Rate Conversion. , 2006, , .		4
34	On nonrecursive rotated comb filter. , 2012, , .		4
35	Low power non-recursive comb-based decimation filter design. , 2012, , .		4
36	A new pipelined-interleaved structure for FIR Hilbert Transformers based on Frequency Transformation technique. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
37	Power and area efficient comb-based decimator for Sigma-Delta ADCs with high decimation factors. , 2013, , .		4
38	Generalized Chebyshev Filters for the Design of IIR Filters and Filter Banks. Circuits, Systems, and Signal Processing, 2014, 33, 2237-2250.	2.0	4
39	On the inclusion of prime factors to calculate the theoretical lower bounds in multiplierless single constant multiplications. Eurasip Journal on Advances in Signal Processing, 2014, 2014, .	1.7	4
40	Low Order Wideband Multiplierless Comb Compensator. , 2020, , .		4
41	On a multiplierless FIR filter design for IS-95 CDMA systems. , 2008, , .		3
42	Demo program for Frequency Sampling FIR filter design method. , 2010, , .		3
43	Application of Generalized Sharpening Technique for Two-Stage Comb Decimator Filter Design. Procedia Technology, 2013, 7, 142-149.	1.1	3
44	Efficient design of two-stage comb-based decimation filters using Chebyshev sharpening. , 2013, , .		3
45	Optimal Sharpening of Compensated Comb Decimation Filters: Analysis and Design. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	3
46	Multiplierless two-stage comb structure with an improved magnitude characteristic. , 2016, , .		3
47	Low power two-stage comb decimation structures for high decimation factors. Analog Integrated Circuits and Signal Processing, 2016, 88, 245-254.	1.4	3
48	Theoretical lower bounds for parallel pipelined shift-and-add constant multiplications with n-input arithmetic operators. Eurasip Journal on Advances in Signal Processing, 2017, 2017, .	1.7	3
49	Two-Stage Cosine Filter-Based Decimator with Improved Aliasing Rejection. , 2017, , .		3
50	Modified Corrector-Comb-Based Decimator with Improved Passband and Aliasing Rejection. , 2019, , .		3
51	On Passband and Stopband CIC Improvements Using a Second Order IIR Filter. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	3
52	On a Multiplierless FIR Decimation Filter Design. , 2007, , .		2
53	Application of Rouché's theorem for MP filter design. Applied Mathematics and Computation, 2009, 211, 329-335.	2.2	2
54	Comb-Cosine prefilter based decimation filter. , 2010, , .		2

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55	Passband and stopband CIC improvement based on efficient IIR filter structure. , 2010, , .		2
56	Design of multiplierless linear-phase comb corrector filters for multirate applications. , 2012, , .		2
57	Passband-droop compensation of modified non-recursive comb filter. , 2012, , .		2
58	On efficient non-recursive comb decimator structure for $M=3^n$ . , 2012, , .		2
59	Sharpening of non-recursive comb decimation structure. , 2013, , .		2
60	An overview of decimator structures for efficient sigma-delta converters: Trends, design issues and practical solutions. , 2014, , .		2
61	Comb structures for Sigma-Delta ADCs with high even decimation factors. , 2014, , .		2
62	Novel two-stage comb decimator with improved frequency characteristic. , 2015, , .		2
63	A novel comb compensator with a good passband deviation-complexity tradeoff. , 2016, , .		2
64	Improving magnitude response in two-stage corrector comb structure. , 2017, , .		2
65	Methods for Improving Magnitude Characteristic of Comb Decimation Filters. , 2018, , 59-81.		2
66	Low-Power Compensated Modified Comb Decimation Structure for Power-of-Two Decimation Factors. , 2021, , .		2
67	Incrementando la flexibilidad del diseÃ±o del compensador de filtro comb mediante optimizaciÃ³n de enjambre de partÃ­culas. IngenierÃ­a InvestigaciÃ³n Y TecnologÃ­a, 2021, 22, 1-12.	0.1	2
68	Green Technology Approach to Comb-Based Decimators Design. Lecture Notes in Networks and Systems, 2020, , 469-477.	0.7	2
69	An Efficient Method to Design Fractional Decimation System. , 2007, , .		1
70	Modified CIC filter for rational sample rate conversion. , 2007, , .		1
71	Novel Multiplierless FPGA Implementation of CDMA 2000 Baseband Filter. , 2008, , .		1
72	Modified comb nonrecursive structure. , 2012, , .		1

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73	Design of FIR Hilbert transformers using a combined Frequency Response Masking/Frequency Transformation approach. , 2012, , .		1
74	Zero-rotation-based nonrecursive comb structure. , 2014, , .		1
75	Minimum Phase Property of Chebyshev-Sharpned Cosine Filters. Mathematical Problems in Engineering, 2015, 2015, 1-14.	1.1	1
76	On simple comb decimation structure based on Chebyshev sharpening. , 2015, , .		1
77	Blind sparse channel identification using subspace-based algorithm. , 2016, , .		1
78	Nonrecursive comb-based structure for power of three decimation factors: Design and FPGA implementation. , 2017, , .		1
79	On simple comb zero rotation: Rouche's theorem approach. International Journal of Electronics, 2017, 104, 569-582.	1.4	1
80	Improving alias rejection in comb decimation filters for odd decimation factors. , 2017, , .		1
81	Improving Comb Alias Rejection Using Modified Cosine Filters. , 2018, , .		1
82	Sharpening Minimum-Phase Interpolated Finite Impulse Response Filters. Computacion Y Sistemas, 2015, 19, .	0.3	1
83	Design of Compensators for Comb Decimation Filters. , 2018, , 6043-6056.		1
84	Design of Wideband Comb Compensators Based on Interval Analysis. , 2021, , .		1
85	Multiplier-Free Wide-Band FIR Filter Design Using Modified Frequency Masking Technique. Midwest Symposium on Circuits and Systems, 2006, , .	1.0	0
86	Design of Least-Square GCF compensation filter. , 2009, , .		0
87	Stepped triangular CIC decimation filter for SDR applications. , 2010, , .		0
88	Comb-based decimator for SDR applications. , 2010, , .		0
89	Design and simulation of QPSK reconfigurable digital receiver. , 2010, , .		0
90	Demo program for teaching the characteristics of low-pass IIR filters. , 2011, , .		0

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91	Low power non-recursive comb-based structure with improved magnitude response. , 2013, , .		0
92	Complex-valued Thiran allpole filters. , 2013, 23, 433-441.		0
93	On wideband comb compensator. , 2013, , .		0
94	On the design of very sharp narrowband FIR filters by using IFIR technique with time-multiplexed subfilters. , 2013, , .		0
95	Nonrecursive comb structure with a very small passband droop and increased attenuation. , 2013, , .		0
96	Design considerations of bandpass CT &#x03A3;&#x0394; modulators for software-defined-radio receivers. , 2014, , .		0
97	Wide-band CIC compensators based on amplitude transformation. , 2014, , .		0
98	Design of Chebyshev Comb Filter (CCF)-based decimators with compensated passband. , 2014, , .		0
99	Modified comb decimator for high power-of-two decimation factors. , 2014, , .		0
100	Sharpening technique to decrease comb passband deviation. Journal of Physics: Conference Series, 2015, 574, 012130.	0.4	0
101	Improvement of rotated comb decimation filter magnitude characteristic using sharpening technique. Journal of Physics: Conference Series, 2015, 633, 012107.	0.4	0
102	FPGA implementation of comb-based decimation filter with improved frequency characteristic for SD A/D converters application. , 2015, , .		0
103	On the use of passive circuits to implement LC-based band-pass CT &#x03A3;&#x0394; modulators. , 2015, , .		0
104	Using cosine filters to improve alias rejection in comb decimation filter. , 2015, , .		0
105	Modified comb decimation filter: Design and implementation. , 2016, , .		0
106	An efficient design of baseband filter for mobile communications. , 2016, , .		0
107	Design of multiplier-less minimum-phase filters based on sharpening compensated comb filters. Journal of Physics: Conference Series, 2016, 738, 012125.	0.4	0
108	Improving Alias Rejection in Two-Stage Comb Filter for Multiple-of-Three Decimation. , 2018, , .		0

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109	Improving comb aliasing rejection using filters with stepped triangular impulse response. Journal of Physics: Conference Series, 2018, 1141, 012023.	0.4	0
110	Comb Aliasing Rejection Improvement Using Modified Combs and Combs of Different Lengths. , 2018, , .		0
111	Comb-Based Decimator for Multiples-of-Five Decimation Factors. Lecture Notes in Networks and Systems, 2019, , 423-428.	0.7	0
112	Improving Design of Comb Decimation Filters Using Symmetrical Polynomials*. , 2019, , .		0
113	Exploring three classes of symmetrical polynomials for improving comb filter design. AIP Conference Proceedings, 2019, , .	0.4	0
114	Decimation Structures for Power of Three Decimation Factors for Consumer Devices. , 2019, , .		0
115	Improving Aliasing Rejection by Inserting Additional Zeros into Folding Bands Using Simple Filters. , 2020, , .		0
116	IEEE CAS Activities In Central America And Mexico [CAS in the World]. IEEE Circuits and Systems Magazine, 2021, 21, 93-93.	2.3	0
117	Teaching Random Variables. U Porto Journal of Engineering, 2021, 7, 10-15.	0.4	0
118	Understanding Discrete Time Convolution: A Demo Program Approach. Computacion Y Sistemas, 2021, 25, .	0.3	0
119	Digital Filters for Digital Audio Effects. , 2007, , 22-55.		0
120	Digital Filters. , 2009, , 364-372.		0
121	On a Design of Narrowband FIR Low-Pass Filters. , 2009, , 2882-2887.		0
122	On Passband and Stopband CIC Improvements Using a Second Order IIR Filter. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, .	0.8	0
123	On Passband and Stopband Cascaded-Integrator-Comb Improvements Using a Second Order IIR Filter. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 61.	0.8	0
124	Design of Compensators for Comb Decimation Filters. Advances in Computer and Electrical Engineering Book Series, 2019, , 831-847.	0.3	0
125	Design of narrowband multiplierless comb compensator with low passband deviation. Journal of Physics: Conference Series, 2019, 1391, 012087.	0.4	0
126	Improving Comb Aliasing Rejection Using Sharpening of Modified Comb. IOP Conference Series: Materials Science and Engineering, 2021, 1208, 012031.	0.6	0



#	ARTICLE	IF	CITATIONS
127	MATLAB educational tool for teaching Rayleigh random variable. Sammenlignende Fagdidaktik, 2022, 2, 68-77.	0.2	0