

# Elsa Dupraz

## List of Publications by Year in descending order

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22  
papers

112  
citations

1684188

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h-index

1372567

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g-index

22  
all docs

22  
docs citations

22  
times ranked

85  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density Evolution and Functional Threshold for the Noisy Min-Sum Decoder. IEEE Transactions on Communications, 2015, 63, 1497-1509.	7.8	33
2	Analysis and Design of Finite Alphabet Iterative Decoders Robust to Faulty Hardware. IEEE Transactions on Communications, 2015, 63, 2797-2809.	7.8	17
3	Optimized Rate-Adaptive Protograph-Based LDPC Codes for Source Coding With Side Information. IEEE Transactions on Communications, 2019, 67, 3879-3889.	7.8	11
4	LDPC-based Joint Source Channel Coding and Decoding Strategies for single relay cooperative communications. Physical Communication, 2020, 38, 100947.	2.1	11
5	Density Evolution for the Design of Non-Binary Low Density Parity Check Codes for Slepian-Wolf Coding. IEEE Transactions on Communications, 2014, , 1-1.	7.8	10
6	Low-Latency LDPC Decoding Achieved by Code and Architecture Co-Design. , 2018, , .		5
7	Rate-storage regions for Extractable Source Coding with side information. Physical Communication, 2019, 37, 100845.	2.1	4
8	Incremental Coding for Extractable Compression in the Context of Massive Random Access. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 251-260.	2.8	4
9	Binary Recursive Estimation on Noisy Hardware. , 2019, , .		3
10	Rate-Distortion Bounds for Wyner's Ziv Coding With Gaussian Scale Mixture Correlation Noise. IEEE Transactions on Information Theory, 2014, 60, 7540-7546.	2.4	2
11	Asymptotic Error Probability of the Gallager B Decoder Under Timing Errors. IEEE Communications Letters, 2017, 21, 698-701.	4.1	2
12	Optimization of Protograph LDPC Codes based on High-Level Energy Models. , 2019, , .		2
13	A Deeply Pipelined, Highly Parallel and Flexible LDPC Decoder. , 2020, , .		2
14	Noisy Density Evolution With Asymmetric Deviation Models. IEEE Transactions on Communications, 2021, 69, 1403-1416.	7.8	2
15	Rate-Distortion Performance of Sequential Massive Random Access to Gaussian Sources with Memory. , 2018, , .		1
16	Energy optimization of quantized min-sum decoders for protograph-based LDPC codes. Annales Des Telecommunications/Annals of Telecommunications, 2020, 75, 615-621.	2.5	1
17	Improving the Energy-Efficiency of a Kalman Filter Using Unreliable Memories. , 2021, , .		1
18	Towards an Accurate High-Level Energy Model for LDPC Decoders. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Bit-Plane Coding in Extractable Source Coding: Optimality, Modeling, and Application to 360° Data. IEEE Communications Letters, 2021, 25, 1412-1416.	4.1	0
20	Self-Corrected Belief-Propagation Decoder for Source Coding With Unknown Source Statistics. IEEE Communications Letters, 2021, 25, 2133-2137.	4.1	0
21	Optimizing the Energy Efficiency of Unreliable Memories for Quantized Kalman Filtering. Sensors, 2022, 22, 853.	3.8	0
22	MOL-Based In-Memory Computing of Binary Neural Networks. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2022, 30, 869-880.	3.1	0