

Publications for Project SPRING (published), May 2023

No.	Type	Title	Authors	Title of the Journal/Proc./Book	DOI	Repository Link	OA
1	Article in Journal	The hybrid Cramér-Rao lower bound for simu	Maya Veisman; Yair Noam; Sharon Gannot	EURASIP Journal on Advances in Signal Pro	10.1186/s13634-022-00000-0	https://doi.org/arti	Gold
2	Article in Journal	Dynamically localizing multiple speakers base	Hodaya Hammer; Shlomo E. Chazan; Jacob	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	http://link.springer.c	Gold
3	Article in Journal	Semi-Supervised Source Localization in Revis	Michael J. Bianco; Sharon Gannot; Efrén Fer	IEEE Access	10.1109/access.2022.3145678	https://ieeexplore.ie	Gold
4	Article in Journal	An online algorithm for echo cancellation, der	Nili Cohen; Gershon Hazan; Boaz Schwartz;	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	https://link.springer.	Gold
5	Article in Journal	Audio source separation by activity probability	Bracha Laufer-Goldshtein; Ronen Talmon; S	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	http://link.springer.c	Gold
6	Publication in Conference proceedings/Work	Semi-Supervised Source Localization with De	Michael J. Bianco; Sharon Gannot; Peter Ge	2020 IEEE 30th International Workshop on M	10.1109/mlsp49062.2020.9389452	http://xplore.staging.	Green
7	Article in Journal	Simultaneous Tracking and Separation of Mu	Koby Weisberg; Bracha Laufer-Goldshtein; S	IEEE/ACM Transactions on Audio, Speech, a	10.1109/taslp.2020.3045678	http://xplore.staging.	Green
8	Publication in Conference proceedings/Work	Speech enhancement with mixture-of-deep-e	Chazan, Shlomo E.; Goldberger, Jacob; Gan	ICASSP		http://arxiv.org/abs/	Green
9	Publication in Conference proceedings/Work	Misalignment Recognition in Acoustic Sensor	Miller, Gabriel F.; Brendel, Andreas; Kellerma	ICASSP	10.1109/icassp397.2020.9389452	http://xplore.staging.	Green
10	Publication in Conference proceedings/Work	A Bayesian Hierarchical Model for Blind Audit	Y. Laufer and S. Gannot	2020 28th European Signal Processing Conf	10.23919/eusipco44.2020.9389452	https://sharongannot	Green
11	Publication in Conference proceedings/Work	Decoupled Direction-of-Arrival Estimations U	Y. Hu, T. D. Abhayapala, P. N. Samarasinghe	2020 28th European Signal Processing Conf	10.23919/eusipco44.2020.9389452	https://sharongannot	Green
12	Publication in Conference proceedings/Work	Multiple Speaker Localization using Mixture o	A. Bross, B. Laufer-Goldshtein and S. Ganno	2020 28th European Signal Processing Conf	10.23919/eusipco44.2020.9389452	https://sharongannot	Green
13	Article in Journal	Forward-backward recursive expectation-ma	Dorfan, Y., Schwartz, B. & Gannot, S	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	https://rdcu.be/ch29	Gold
14	Publication in Conference proceedings/Work	Blind Audio Source Separation Using Two Ex	A. Eisenberg, B. Schwartz and S. Gannot	2020 IEEE 30th International Workshop on M	10.1109/mlsp49062.2020.9389452	https://sharongannot	Green
15	Publication in Conference proceedings/Work	A Bayesian Hierarchical Mixture of Gaussian	Y. Laufer and S. Gannot	2020 IEEE 30th International Workshop on M	10.1109/mlsp49062.2020.9389452	https://sharongannot	Green
16	Article in Journal	Estimation of acoustic echoes using expectat	Saqib, U., Gannot, S. & Jensen, J.	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	https://rdcu.be/b6O	Gold
17	Article in Journal	Semi-Supervised Multiple Source Localizati	Y. Hu, P. N. Samarasinghe, S. Gannot and T	IEEE/ACM Transactions on Audio, Speech, a	10.1109/taslp.2020.3045678	https://sharongannot	Green
18	Publication in Conference proceedings/Work	Robust Relative Transfer Function Identificati	A. Sofer, T. Kounovský, J. Čmejla, Z. Koldov	2021 29th European Signal Processing Conf	10.23919/eusipco54.2021.9389452	https://sharongannot	Green
19	Publication in Conference proceedings/Work	Deep Ranking-Based DOA Tracking Algorith	R. Opochinsky, G. Chechik and S. Gannot	2021 29th European Signal Processing Conf	10.23919/eusipco54.2021.9389452	https://sharongannot	Green
20	Publication in Conference proceedings/Work	Online Blind Audio Source Separation using	Aviad Eisenberg, Boaz Schwartz and Sharon	INTERSPEECH 2021	10.21437/interspee	https://www.isca-sp	Gold
21	Publication in Conference proceedings/Work	Scene-Agnostic Multi-Microphone Speech De	Yochai Yemini, Ethan Fetaya, Haggai Maron,	INTERSPEECH 2021	10.21437/interspee	https://www.isca-sp	Gold
22	Article in Journal	A recursive expectation-maximization algorith	Schwartz, O., Gannot, S.	EURASIP Journal on Audio, Speech, and Mu	10.1186/s13636-022-00000-0	https://rdcu.be/cC16	Gold
23	Publication in Conference proceedings/Work	Combining Visual and Social Dialogue for Hu	Nancie Gunson; Daniel Hernandez Garcia; Jo	ICMI '21: Proceedings of the 2021 Internatio	10.1145/3462244.3462243	https://dl.acm.org/d	Green
24	Publication in Conference proceedings/Work	Towards Visual Dialogue for Human-Robot In	Jose L. Part; Daniel Hernández García; Yanc	HRI '21 Companion: Companion of the 2021	10.1145/3434074.3434073	https://dl.acm.org/d	Gold
25	Publication in Conference proceedings/Work	Explainable Representations of the Social St	García, Daniel Hernández; Yu, Yanchao; Sie	AAAI FSS-20 AI-HRI		http://arxiv.org/abs/	Green
26	Publication in Conference proceedings/Work	A Conversational AI System for Tackling Mist	Nancie Gunson; Weronika Sieińska; Yanchao	GoodIT '21: Proceedings of the Conference o	10.1145/3462203.3462202	https://dl.acm.org/d	Green
27	Publication in Conference proceedings/Work	Minimal Rolling Shutter Absolute Pose with U	Kukelova, Zuzana; Albl, Cenek; Sugimoto, Ak	European Conference on Computer Vision	10.5281/zenodo.4378900	https://dx.doi.org/10	Green
28	Article in Journal	SocialInteractionGAN: Multi-person Interactio	Airale, Louis; Vaufreydaz, Dominique; Alame	Transactions on Automatic Control		https://hal.inria.fr/ha	Green
29	Publication in Conference proceedings/Work	Evaluation and Design Guidelines for Combin	Nancie Gunson; Weronika Sieińska; Christop	IVA '20: Proceedings of the 20th ACM Intern	10.1145/3383652.3383653	https://dl.acm.org/d	Green
30	Publication in Conference proceedings/Work	Making Affine Correspondences Work in Car	Barath, Daniel; Polic, Michal; Förstner, Wolfg	European Conference on Computer Vision	10.1007/978-3-030-64789-0_10	https://dx.doi.org/10	Green
31	Publication in Conference proceedings/Work	Smoothing the Disentangled Latent Style Spa	Yahui Liu; Sangineto, Enver; Yajing Chen; Lir	IEEE/CVF Conference on Computer Vision a	10.5281/zenodo.5000000	http://arxiv.org/abs/	Green
32	Publication in Conference proceedings/Work	From two rolling shutters to one global shutte	Albl, Cenek; Kukelova, Zuzana; Larsson, Vikt	CVPR		http://arxiv.org/abs/	Green
33	Publication in Conference proceedings/Work	Neighborhood Contrastive Learning for Nove	Zhong, Zhun; Fini, Enrico; Subhankar Roy; Z	IEEE/CVF Conference on Computer Vision a	10.5281/zenodo.5000000	http://arxiv.org/abs/	Green
34	Publication in Conference proceedings/Work	A Benchmark of Dynamical Variational Autoe	Bie, Xiaoyu; Girin, Laurent; Leglaive, Simon;	Interspeech 2021 - 22nd Annual Conference	10.21437/interspee	https://hal.inria.fr/ha	Green
35	Publication in Conference proceedings/Work	Learning Visual Voice Activity Detection with	Guy, Sylvain; Lathuilière, Stéphane; Mesejo,	ICPR 2020 - 25th International Conference o	10.1109/icpr48806.2020.9389452	https://hal.inria.fr/ha	Green
36	Article in Journal	Variational Inference and Learning of Piecew	Xavier Alameda-Pineda; Vincent Drouard; Ra	IEEE Transactions on Neural Networks and L	10.1109/tnnls.2021.3045678	https://hal.archives-	Green
37	Publication in Conference proceedings/Work	Conversational Agents for Intelligent Building	Weronika Sieińska, Nancie Gunson, Christop	Proceedings of the SIGdial 2020 Conference		https://aclanthology	Gold
38	Publication in Conference proceedings/Work	Uncertainty Based Camera Model Selection	Michal Polic, Stanislav Steidl, Cenek Albl, Zu	Proceedings of the IEEE/CVF Conference on		https://openaccess.	Green
39	Publication in Conference proceedings/Work	ARI: the Social Assistive Robot and Compan	Sara Cooper; Alessandro Di Fava; Carlos Viv	2020 29th IEEE International Conference on	10.1109/ro-man4770.2020.9389452	https://www.researc	Green
40	Publication in Conference proceedings/Work	Motion Segmentation with Pairwise Matches	Federica Arrigoni, Luca Magri, and Tomas Pa	2020 25th International Conference on Patter	10.1109/icpr48806.2020.9389452	https://ailb-web.inq	Green
41	Publication in Conference proceedings/Work	On the Usage of the Trifocal Tensor in Motio	Federica Arrigoni, Luca Magri, Tomas Pajdla	ECCV'20 Online		https://www.ecva.net	Green
42	Publication in Conference proceedings/Work	ODANet: Online Deep Appearance Network	Guillaume Delorme, Yutong Ban, Guillaume S	ICPR 2021: Pattern Recognition. ICPR Intern	10.1007/978-3-030-64789-0_10	https://hal.inria.fr/ha	Green
43	Publication in Conference proceedings/Work	Robot control and navigation: ARI's autonom	Francesco Ferro, Federico Nardi, Sara Coop	29th IEEE International Conference on Robo		https://www.techrxiv	Green
44	Article in Journal	Dynamical Variational Autoencoders: A Com	Laurent Girin, Simon Leglaive, Xiaoyu Bie,	Foundations and Trends in Machine Learning	10.1561/2200000008	https://hal.inria.fr/ha	Green
45	Article in Journal	Mixture of Inference Networks for VAE-based	M. Sadeghi and X. Alameda-Pineda	IEEE Transactions on Signal Processing	10.1109/tsp.2021.3045678	https://hal.inria.fr/ha	Green
46	Publication in Conference proceedings/Work	Learning to Generalize Unseen Domains via	Yuyang Zhao, Zhun Zhong, Fengxiang Yang,	Proceedings of the IEEE/CVF Conference on		https://openaccess.	Green

97	Publication in Conference proceedings/Workshop	On The Importance of Acoustic Reflections in	Oren Shmaryahu; Sharon Gannot	IWAENC 2022	10.1109/iwaenc531	https://sharongannot.github.io/	Green
98	Chapter in a Book	D-InLoc++: Indoor Localization in Dynamic Environments	Martina Dubenova, Anna Zderadickova, Ondrej Dizek	Lecture Notes in Computer Science book series	10.1007/978-3-031-14228-8_10	https://arxiv.org/abs/2205.12341	Green
99	Article in Journal	Unsupervised Speech Enhancement using Deep Generative Models	Xiaoyu Bie; Simon Leglaive; Xavier Alameda-Sola	IEEE/ACM Transactions on Audio, Speech and Language Processing	10.1109/taslp.2022.3174444	https://arxiv.org/abs/2205.12341	Green
100	Publication in Conference proceedings/Workshop	Semi-supervised learning made simple with self-supervised contrastive learning	Fini, Enrico; Astolfi, Pietro; Alahari, Kartteek; Audebert, Jean-Benoit	CVF 2020	10.48550/arxiv.2301.08222	https://inria.hal.science/hal-03111111	Gold
101	Article in Journal	Galois/monodromy groups for decomposing rational points	Duff, Timothy; Korotynskiy, Viktor; Pajdla, Tomáš	SIAM Journal on Applied Algebra and Geometry	10.1137/21m14228	https://arxiv.org/abs/2205.12341	Green
102	Publication in Conference proceedings/Workshop	From two rolling shutters to one global shutter	Albi, Cenek; Kukulova, Zuzana; Larsson, Viktor	CVF 2020	10.48550/arxiv.2007.01234	https://arxiv.org/abs/2007.01234	Gold
103	Article in Journal	Variational Meta Reinforcement Learning for	Ballou, Anand; Alameda-Pineda, Xavier; Reiringer, Johannes	Applied Intelligence	10.48550/arxiv.2201.01234	https://hal.inria.fr/hal-03111111	Green
104	Article in Journal	Successor Feature Representations	Reinke, Chris; Alameda-Pineda, Xavier	Transactions on Machine Learning Research	10.48550/arxiv.2111.01234	https://inria.hal.science/hal-03111111	Gold
105	Publication in Conference proceedings/Workshop	ROS4HRI: Standardising an Interface for Human-Robot Interaction	Raquel Ros, Séverin Lemaignan, Lorenzo Ferrini	HRI 2023 Workshop		https://academia.skoltech.edu/	Green
106	Publication in Conference proceedings/Workshop	Unifying Bottom-Up and Top-Down Attention	S. Lemaignan; S. Cooper; R. Ros; L. Ferrini;	HRI 2023	10.1145/3568294.3568294	https://dl.acm.org/d	Green
107	Publication in Conference proceedings/Workshop	Speech Modeling with a Hierarchical Transformer	Xiaoyu Lin; Xiaoyu Bie; Simon Leglaive; Laur	ICASSP 2023 - IEEE International Conference on Acoustics, Speech and Signal Processing	10.48550/arxiv.2301.01234	https://doi.org/10.1109/ICASSP43922.2023	Green
108	Publication in Conference proceedings/Workshop	A Multimodal Dynamical Variational Autoencoder	Sadok, Samir; Leglaive, Simon; Girin, Laurent	M4MM '22: Proceedings of the 1st International Workshop on Multimodal Machine Learning	10.48550/arxiv.2301.01234	https://inria.hal.science/hal-03111111	Green