My_Key	Title	DOI	QA1. Purpose & Context	QA2. Methodological Quality	QA3. Data & Tools Transparency	QA4. Rigor & Validity	QA5. Results & Interpretation	QA6. Contribution & Credibility	Total QA Score
P01	Accurate and {Efficient} {Event}-based {Semantic} {Segmentation} {Using} {Adaptive} {Spiking} {Encoder}-{Decoder} {Network}	10.48550/arXiv.2304.11857	2	2	1	2	2	2.0	11
P02	Brain-Inspired Architecture for Spiking Neural Networks	10.3390/biomimetics9100646	2	1	1	1	2	1.0	8
P03	Brain-Inspired Spiking Neural Networks in {{Engineering Mechanics}}: A New Physics-Based Self-Learning Framework for Sustainable {{Finite Element}} Analysis	10.1007/s00366-024-01967-3	2	2	2	2	2	1.0	11

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P04	Diagnostic Biomarker Discovery from Brain {{EEG}} Data Using {{LSTM}}, Reservoir-{{SNN}}, and {{NeuCube}} Methods in a Pilot Study Comparing Epilepsy and Migraine	10.1038/s41598-024-60996-6	2	1	1	1	2	2.0	9
P05	DTS-SNN: Spiking Neural Networks With Dynamic Time-Surfaces	10.1109/ACCESS.2022.3209671	2	2	1	2	2	1.0	10
P06	Efficient {ANN}-{SNN} {Conversion} with {Error} {Compensation} {Learning}	10.48550/arXiv.2506.01968	2	2	1	1	1	1.0	8

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P07	Encoding Event-Based Data With a Hybrid SNN Guided Variational Auto-encoder in Neuromorphic Hardware - Proceedings of the 2022 Annual Neuro-Inspired Computational Elements Conference	10.1145/3517343.3517372	2	2	1	1	2		8
P08	Enhancing spiking neural networks with hybrid top-down attention	10.3389/fnins.2022.949142	2	1	2	1	2	2.0	10
P09	Event-{Enhanced} {Multi}-{Modal} {Spiking} {Neural} {Network} for {Dynamic} {Obstacle} {Avoidance} - Proceedings of the 31st {ACM} {International} {Conference} on {Multimedia}	10.1145/3581783.3612147	2	2	1	2	2	2.0	11

My_Key	Title	DOI	QA1. Purpose & Context	QA2. Methodological Quality	QA3. Data & Tools Transparency	QA4. Rigor & Validity	QA5. Results & Interpretation	QA6. Contribution & Credibility	Total QA Score
P10	Feasibility study on the application of a spiking neural network in myoelectric control systems	10.3389/fnins.2023.1174760	1	1	1	1	2	1.0	7
P11	Hybrid photonic deep convolutional residual spiking neural networks for text classification	10.1364/OE.497218	1	1	1	1	1	1.0	6
P12	Hybrid Spiking Fully Convolutional Neural Network for Semantic Segmentation	10.3390/electronics12173565	1	1	2	1	2	1.0	8
P13	NeuBridge: bridging quantized activations and spiking neurons for ANN-SNN conversion	10.1088/2634-4386/ade183	2	2	1	1	1	2.0	9
P14	Single {{Channel Speech Enhancement Using U-Net Spiking Neural Networks}}	10.48550/arXiv.2307.14464	1	1	1	1	1	1.0	6

My_Key	Title	DOI	QA1. Purpose & Context	QA2. Methodological Quality	QA3. Data & Tools Transparency	QA4. Rigor & Validity	QA5. Results & Interpretation	QA6. Contribution & Credibility	Total QA Score
P15	SIT: {{A Bionic}} and {{Non-Linear Neuron}} for {{Spiking Neural Network}}	10.48550/arXiv.2203.16117	2	2	1	2	2	2.0	11
P16	Spike {Encoding} for {Environmental} {Sound}: {A} {Comparative} {Benchmark}	10.48550/arXiv.2503.11206	1	1	1	1	1	0.0	5
P17	Spiking Neural Networks for Nonlinear Regression of Complex Transient Signals on Sustainable Neuromorphic Processors	10.1038/s44335-024-00002-4	2	2	1	2	2	2.0	11
P18	STAL: Spike Threshold} {Adaptive} {Learning} {Encoder} for {Classification} of {Pain}-{Related} {Biosignal} {Data}	10.48550/arXiv.2407.08362	2	2	1	2	2	2.0	11

My_Key	Title	DOI	QA1. Purpose & Context	QA2. Methodological Quality	QA3. Data & Tools Transparency	QA4. Rigor & Validity	QA5. Results & Interpretation	QA6. Contribution & Credibility	Total QA Score
P19	Ternary {Spike}-based {Neuromorphic} {Signal} {Processing} {System}	10.48550/arXiv.2407.05310	2	2	1	2	2	2.0	11