

A Survey on Bitrate Adaptation Schemes for Streaming

IEEE Communications Surveys and Tutorials

21, 562-585

DOI: [10.1109/comst.2018.2862938](https://doi.org/10.1109/comst.2018.2862938)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Bandwidth prediction in low-latency chunked streaming. , 2019, , .		43
2	Quality of experience (QoE) in cloud gaming models: A review. Multiagent and Grid Systems, 2019, 15, 289-304.	0.5	44
3	DI5GUISE: A highly Dynamic Framework for Real-Time Simulated 5G Evaluation. , 2019, , .		2
4	Comyco: Quality-Aware Adaptive Video Streaming via Imitation Learning. , 2019, , .		57
5	PREPARE-Playback Rate and Priority Adaptive BitRate Selection. IEEE Access, 2019, 7, 135352-135362.	2.6	0
6	A Journey Towards Fully Immersive Media Access. , 2019, , .		1
7	Towards 6DoF HTTP Adaptive Streaming Through Point Cloud Compression. , 2019, , .		54
8	Chunk Duration-Aware SDN-Assisted DASH. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-22.	3.0	4
9	QoE for Mobile Clients with Segment-aware Rate Adaptation Algorithm (SARA) for DASH Video Streaming. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-23.	3.0	13
10	Video streaming over MANETs: An overview of techniques. Multimedia Tools and Applications, 2019, 78, 23749-23782.	2.6	12
11	Dynamic Adaptive Streaming for Augmented Reality Applications. , 2019, , .		12
12	QoE Evaluation of Adaptive Video Streaming Algorithms in Multi-user Networks. , 2019, , .		0
13	Fastconv: Fast Learning Based Adaptive BitRate Algorithm for Video Streaming. , 2019, , .		1
14	Video Quality Assessment in the DASH Technique. , 2019, , .		3
15	Automatic QoE Evaluation of DASH Streaming using ITU-T Standard P.1203 and Google Puppeteer. , 2019, , .		2
16	Modeling Adaptive Video Streaming Using Discrete-Time Analysis. , 2019, , .		1
17	Highlights-based Bitrate Adaptation Scheme for Mobile Video Streaming Service. , 2019, , .		2
18	Ensemble Adaptive Streaming – A New Paradigm to Generate Streaming Algorithms via Specializations. IEEE Transactions on Mobile Computing, 2020, 19, 1346-1358.	3.9	15

#	ARTICLE	IF	CITATIONS
19	MEC for Fair, Reliable and Efficient Media Streaming in Mobile Networks. IEEE Transactions on Broadcasting, 2020, 66, 264-278.	2.5	14
20	NEWCAST: Joint Resource Management and QoE-Driven Optimization for Mobile Video Streaming. IEEE Transactions on Network and Service Management, 2020, 17, 1054-1067.	3.2	4
21	DNNStream: Deep-learning based Content Adaptive Real-time Streaming. , 2020, , .		1
22	goDASH â€” GO Accelerated HAS Framework for Rapid Prototyping. , 2020, , .		12
23	ComplexCTTP: Complexity Class Based Transcoding Time Prediction for Video Sequences Using Artificial Neural Network. , 2020, , .		7
24	User-centric Optimization of Caching and Recommendations in Edge Cache Networks. , 2020, , .		7
25	Layer-Assisted Video Quality Adaptation for Improving QoE in Wireless Networks. IEEE Access, 2020, 8, 77518-77527.	2.6	4
26	Improved QoS at the Edge Using Serverless Computing to Deploy Virtual Network Functions. IEEE Internet of Things Journal, 2020, 7, 10673-10683.	5.5	28
27	Inferring Quality of Experience for Adaptive Video Streaming over HTTPS and QUIC. , 2020, , .		3
28	Adaptive Video Streaming Using Dynamic NDN Multicast in WLAN. , 2020, , .		12
29	Client-driven Adaptive Bitrate Techniques for Media Streaming over HTTP: Initial Findings. , 2020, , .		4
30	Hit Ratio and Content Quality Tradeoff for Adaptive Bitrate Streaming in Edge Caching Systems. IEEE Systems Journal, 2021, 15, 5094-5097.	2.9	14
31	Trace-Driven Optimization on Bitrate Adaptation for Mobile Video Streaming. IEEE Transactions on Mobile Computing, 2022, 21, 2243-2256.	3.9	7
32	Dependable Content-Aware Prefetching for HTTP Applications over ICN as a Service. , 2020, , .		0
33	A Performance Analysis of Adaptive Streaming Algorithms in 5G Vehicular Communications in Urban Scenarios. , 2020, , .		3
34	Automatic QoE evaluation for asymmetric encoding of 3D videos for DASH streaming service. Ad Hoc Networks, 2020, 106, 102184.	3.4	2
35	New objective QoE models for evaluating ABR algorithms in DASH. Computer Communications, 2020, 158, 126-140.	3.1	11
36	Social-viewport adaptive caching scheme with clustering for virtual reality streaming in an edge computing platform. Future Generation Computer Systems, 2020, 108, 424-431.	4.9	10

#	ARTICLE	IF	CITATIONS
37	Methodology for fine-grained monitoring of the quality perceived by users on 360VR contents. , 2020, 100, 102706.		6
38	Towards View-Aware Adaptive Streaming of Holographic Content. , 2020, , .		2
39	User Preference Aware Resource Management for Wireless Communication Networks. IEEE Network, 2020, 34, 78-85.	4.9	10
40	On Leveraging Machine and Deep Learning for Throughput Prediction in Cellular Networks: Design, Performance, and Challenges. IEEE Communications Magazine, 2020, 58, 11-17.	4.9	43
41	Deep Learning for Edge Computing Applications: A State-of-the-Art Survey. IEEE Access, 2020, 8, 58322-58336.	2.6	96
42	KNN-Q Learning Algorithm of Bitrate Adaptation for Video Streaming over HTTP. , 2020, , .		2
43	Quality-Aware Neural Adaptive Video Streaming With Lifelong Imitation Learning. IEEE Journal on Selected Areas in Communications, 2020, 38, 2324-2342.	9.7	28
44	A Survey on Adaptive 360° Video Streaming: Solutions, Challenges and Opportunities. IEEE Communications Surveys and Tutorials, 2020, 22, 2801-2838.	24.8	101
45	EmuStream“An End-to-End Platform for Streaming Video Performance Measurement. IEEE Access, 2020, 8, 669-680.	2.6	3
46	Video Multimethod Assessment Fusion (VMAF) on 360VR Contents. IEEE Transactions on Consumer Electronics, 2020, 66, 22-31.	3.0	42
47	FAURAS: A Proxy-Based Framework for Ensuring the Fairness of Adaptive Video Streaming over HTTP/2 Server Push. Applied Sciences (Switzerland), 2020, 10, 2485.	1.3	3
48	Fuzzy-logic threat classification for multi-level selective encryption over real-time video streams. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 5369-5397.	3.3	14
49	Low-Latency Live Streaming Over HTTP in Bandwidth-Limited Networks. IEEE Communications Letters, 2021, 25, 450-454.	2.5	10
50	On the Optimal Encoding Ladder of Tiled 360° Videos for Head-Mounted Virtual Reality. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1632-1647.	5.6	10
51	Video Caching, Analytics, and Delivery at the Wireless Edge: A Survey and Future Directions. IEEE Communications Surveys and Tutorials, 2021, 23, 431-471.	24.8	67
52	Data-Driven Bandwidth Prediction Models and Automated Model Selection for Low Latency. IEEE Transactions on Multimedia, 2021, 23, 2588-2601.	5.2	17
53	Post-Streaming Wastage Analysis “ A Data Wastage Aware Framework in Mobile Video Streaming. IEEE Transactions on Mobile Computing, 2023, 22, 389-401.	3.9	7
54	Zwei: A Self-Play Reinforcement Learning Framework for Video Transmission Services. IEEE Transactions on Multimedia, 2022, 24, 1350-1365.	5.2	6

#	ARTICLE	IF	CITATIONS
55	LwTE: Light-Weight Transcoding at the Edge. IEEE Access, 2021, 9, 112276-112289.	2.6	10
56	Catching the Moment With LoL\$^+\$\$ in Twitch-Like Low-Latency Live Streaming Platforms. IEEE Transactions on Multimedia, 2022, 24, 2300-2314.	5.2	19
57	A Survey on Multi-Access Edge Computing Applied to Video Streaming: Some Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2021, 23, 871-903.	24.8	83
58	Content Delivery Networks. Advances in Web Technologies and Engineering Book Series, 2021, , 66-95.	0.4	0
59	QoE-aware Video Adaptive Streaming over HTTP. , 2021, , .		2
60	Towards Optimal Multirate Encoding for HTTP Adaptive Streaming. Lecture Notes in Computer Science, 2021, , 469-480.	1.0	5
61	Adaptive Cloud-Based Extended Reality: Modeling and Optimization. IEEE Access, 2021, 9, 35287-35299.	2.6	14
62	Joint User Grouping, Version Selection, and Bandwidth Allocation for Live Video Multicasting. IEEE Transactions on Communications, 2022, 70, 350-365.	4.9	5
63	Efficient Bitrate Ladder Construction for Content-Optimized Adaptive Video Streaming. IEEE Open Journal of Signal Processing, 2021, 2, 496-511.	2.3	10
64	Edge Computing Assisted Adaptive Streaming Scheme for Mobile Networks. IEEE Access, 2021, 9, 2142-2152.	2.6	10
65	SDN Assisted Codec, Path and Quality Selection for HTTP Adaptive Streaming. IEEE Access, 2021, 9, 129917-129932.	2.6	9
66	A Hybrid Bitrate Control Approach for Smooth Video Streaming in DASH. Communications in Computer and Information Science, 2021, , 305-317.	0.4	0
67	Improving Robustness of DASH Against Unpredictable Network Variations. IEEE Transactions on Multimedia, 2022, 24, 323-337.	5.2	4
68	Serverless streaming for emerging media: towards 5G network-driven cost optimization. Multimedia Tools and Applications, 2022, 81, 12211-12250.	2.6	6
69	ViStA: Video Streaming and Analytics Benchmark. , 2021, , .		0
70	EVerEst: Bitrate Adaptation for Cloud VR. Electronics (Switzerland), 2021, 10, 678.	1.8	6
71	Cumulative Quality Modeling for HTTP Adaptive Streaming. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	4
72	Generation of realistic cloud access times for mobile application testing using transfer learning. Computer Communications, 2021, 172, 196-215.	3.1	2

#	ARTICLE	IF	CITATIONS
73	Cooperative Congestion Control for Cyber-Physical Systems. , 2021, , .		1
74	Information Distribution in Multi-Robot Systems: Adapting to Varying Communication Conditions. , 2021, , .		2
75	Network Throughputs Modelling for Mobile Video Streaming Analysis. , 2021, , .		0
76	Multi-Tier CloudVR. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	23
77	EdgeDASH: Exploiting Network-Assisted Adaptive Video Streaming for Edge Caching. IEEE Transactions on Network and Service Management, 2021, 18, 1732-1745.	3.2	7
78	Optimization of Embedded Mobile Teaching Model Based on Network Streaming Media Technology. Complexity, 2021, 2021, 1-10.	0.9	9
79	Performance of Low-Latency HTTP-based Streaming Players. , 2021, , .		8
80	Policy-driven Dynamic HTTP Adaptive Streaming Player Environment. , 2021, , .		0
81	Manus manum lavat. , 2021, , .		4
82	An Optimized Bandwidth Estimation for Adaptive Video Streaming Systems Using WLBWO Algorithm. International Journal of Interdisciplinary Telecommunications and Networking, 2021, 13, 95-110.	0.2	0
83	Multi-resolution quality-based video coding system for DASH scenarios. , 2021, , .		2
84	Data diet pills. , 2021, , .		2
85	Understanding quality of experience of heuristic-based HTTP adaptive bitrate algorithms. , 2021, , .		13
86	A Method of Codec Comparison and Selection for Good Quality Video Transmission Over Limited-Bandwidth Networks. Sensors, 2021, 21, 4589.	2.1	6
87	Machine Learning Approach to Estimate Video QoE of Encrypted DASH Traffic in 5G Networks. , 2021, , .		6
88	Playing chunk-transferred DASH segments at low latency with QLive. , 2021, , .		9
89	Cross-Protocol Unfairness between Adaptive Streaming Clients over HTTP/3 and HTTP/2: A Root-Cause Analysis. Electronics (Switzerland), 2021, 10, 1755.	1.8	3
90	ES-HAS. , 2021, , .		15

#	ARTICLE	IF	CITATIONS
91	Common media client data (CMCD). , 2021, , .		15
92	Building Reproducible Video Streaming Traffic Generators. , 2021, , .		2
93	High performance adaptive video streaming using NDN WLAN multicast. , 2021, , .		2
94	A survey on 360-degree video: Coding, quality of experience and streaming. Computer Communications, 2021, 177, 133-155.	3.1	29
95	Efficient Content-Adaptive Feature-Based Shot Detection for HTTP Adaptive Streaming. , 2021, , .		13
96	A Competitive Analysis of BitTorrent-like Algorithms for Interactive Video-on-Demand Streaming over MANETs. IEEE Latin America Transactions, 2021, 19, 1451-1458.	1.2	0
97	A Distributed Delivery Architecture for User Generated Content Live Streaming over HTTP. , 2021, , .		0
98	Hop-By-Hop: Advancing Cooperative Congestion Control for Cyber-Physical Systems. , 2021, , .		0
99	EADAS: Edge Assisted Adaptation Scheme for HTTP Adaptive Streaming. , 2021, , .		4
100	CSDN: CDN-Aware QoE Optimization in SDN-Assisted HTTP Adaptive Video Streaming. , 2021, , .		9
101	CTU depth decision algorithms for HEVC: A survey. Signal Processing: Image Communication, 2021, 99, 116442.	1.8	9
102	Benchmark of Bitrate Adaptation in Video Streaming. Journal of Data and Information Quality, 2021, 13, 1-24.	1.5	2
103	Adaptive Video Encoding for Different Video Codecs. IEEE Access, 2021, 9, 68720-68736.	2.6	6
104	Fast Multi-rate Encoding for Adaptive HTTP Streaming. , 2020, , .		6
105	CAdViSE. , 2020, , .		17
106	Open-source software tools for measuring resources consumption and DASH metrics. , 2020, , .		5
107	When they go high, we go low. , 2020, , .		30
108	Continuous Bitrate & Latency Control with Deep Reinforcement Learning for Live Video Streaming. , 2019, , .		15

#	ARTICLE	IF	CITATIONS
109	Comparative Evaluation of User Perceived Quality Assessment of Design Strategies for HTTP-based Adaptive Streaming. ACM Transactions on Applied Perception, 2019, 16, 1-20.	1.2	4
110	Self-play reinforcement learning for video transmission. , 2020, , .		7
111	H2BR. , 2020, , .		14
112	Performance Analysis of ACTE. ACM Transactions on Multimedia Computing, Communications and Applications, 2020, 16, 1-24.	3.0	13
113	Scalable High Efficiency Video Coding based HTTP Adaptive Streaming over QUIC. , 2020, , .		16
114	Buffer Displacement Based Online Learning Algorithm For Low Latency HTTP Adaptive Streaming. , 2021, , .		1
115	Where to Encode: A Performance Analysis of x86 and Arm-based Amazon EC2 Instances. , 2021, , .		7
116	Crazy Cameras. , 2020, , 21-50.		0
117	HTTP adaptive streaming over multiple network interfaces. , 2020, , .		0
118	FriSBE. , 2020, , .		7
119	FALCON. , 2020, , .		2
120	ORTIA: An Algorithm to Improve Quality of Experience in HTTP Adaptive Bitrate Streaming Sessions. Advances in Intelligent Systems and Computing, 2021, , 29-44.	0.5	0
121	ABR prediction using supervised learning algorithms. , 2020, , .		5
122	Machine Learning based Bandwidth Prediction for Dynamic Adaptive Streaming over HTTP. Journal of Advanced Information Technology and Convergence, 2020, 10, 33-48.	0.4	1
123	Llama - Low Latency Adaptive Media Algorithm. , 2020, , .		4
124	Nancy: Neural Adaptive Network Coding Methodology for Video Distribution Over Wireless Networks. , 2020, , .		6
125	Coalition Game-based Approach for Improving the QoE of DASH-based Streaming in Multi-servers Scheme. , 2020, , .		1
126	Deep Neural Network-based Enhancement for Image and Video Streaming Systems: A Survey and Future Directions. ACM Computing Surveys, 2022, 54, 1-30.	16.1	10

#	ARTICLE	IF	CITATIONS
127	Screen Time. , 2020, , 73-110.		0
129	Adaptive Chunklets and AQM for Higher-Performance Content Streaming. ACM Transactions on Multimedia Computing, Communications and Applications, 2019, 15, 1-24.	3.0	10
131	Content distribution. , 2020, , 93-103.		2
133	Post-cinema after Extinction. , 2020, , 193-236.		0
134	Life to Those Pixels!. , 2020, , 113-151.		0
135	The Horrors of Discorrelation. , 2020, , 153-192.		0
136	Discorrelation and Post-Cinema. , 2020, , 1-17.		0
137	Dividuated Images. , 2020, , 51-72.		0
138	QoE-driven Mobile 360 Video Streaming: Predictive View Generation and Dynamic Tile Selection. , 2021, , .		4
139	Smartmedia. , 2020, , .		2
140	Multi-User Competitive Energy-Aware and QoE-Aware Video Streaming on Mobile Devices. , 2020, , .		4
141	HTTP Adaptive Streaming. , 2020, , .		0
142	ML-Driven DASH Content Pre-Fetching in MEC-Enabled Mobile Networks. , 2020, , .		3
143	A Survey of Machine Learning Techniques for Video Quality Prediction from Quality of Delivery Metrics. Electronics (Switzerland), 2021, 10, 2851.	1.8	11
144	LwTE-Live. , 2021, , .		8
145	Multiple-Source Streaming over Remote Radio Light Head: a pragmatic, efficient and reliable video streaming system for 5G intra-building use cases. , 2020, , .		0
146	Comparison of representation switching number and achieved bit-rate in DASH algorithms. , 2020, , .		0
147	Scheduling in IEEE 802.15.4e Time Slotted Channel Hopping: A Survey. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
148	Adaptive Video Streaming via Deep Reinforcement Learning from User Trajectory Preferences. , 2020, , .		1
149	A Deep Reinforcement Learning Approach for Point Cloud Video Transmissions. , 2021, , .		2
150	FAUST: Fast Per-Scene Encoding Using Entropy-Based Scene Detection and Machine Learning. , 2021, , .		5
151	Road to Salvation: Streaming Clients and Content Delivery Networks Working Together. IEEE Communications Magazine, 2021, 59, 123-128.	4.9	9
152	Quality Optimization of Live Streaming Services over HTTP with Reinforcement Learning. , 2021, , .		3
153	Preprocessor Rate Control for Adaptive Multi-View Live Video Streaming Using a Single Encoder. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5551-5565.	5.6	2
154	FSpot: Fast and Efficient Video Encoding Workloads Over Amazon Spot Instances. Computers, Materials and Continua, 2022, 71, 5677-5697.	1.5	5
155	SAC-ABR: Soft Actor-Critic based deep reinforcement learning for Adaptive BitRate streaming. , 2022, , .		3
156	Online Learning for Adaptive Video Streaming in Mobile Networks. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-22.	3.0	4
157	Optimizing Immersive Video Coding Configurations Using Deep Learning: A Case Study on TMIV. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-25.	3.0	3
158	Deep reinforcement learning based QoE-aware actor-learner architectures for video streaming in IoT environments. Computing (Vienna/New York), 2022, 104, 1527-1550.	3.2	4
159	$\mathcal{HxL3}$: Optimized Delivery Architecture for HTTP Low-Latency Live Streaming. IEEE Transactions on Multimedia, 2023, 25, 2585-2600.	5.2	4
161	Qrator: An Interest-Aware Approach to ABR Streaming Based on User Engagement. IEEE Systems Journal, 2022, 16, 6581-6589.	2.9	1
162	Chunk Grouping Method for Low-Latency HTTP-Based Live Streaming. , 2022, , .		2
163	Adaptive Video Streaming With Automatic Quality-of-Experience Optimization. IEEE Transactions on Mobile Computing, 2023, 22, 4456-4470.	3.9	3
164	User Gaze-Driven Adaptation of Omnidirectional Video Delivery Using Spatial Tiling and Scalable Video Encoding. IEEE Transactions on Broadcasting, 2022, 68, 609-619.	2.5	6
165	A Contemporary Survey on Live Video Streaming from a Computation-Driven Perspective. ACM Computing Surveys, 2022, 54, 1-38.	16.1	17
167	Marrying WebRTC and DASH for interactive streaming. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
168	Take the red pill for H3 and see how deep the rabbit hole goes. , 2022, , .		4
169	Machine Learning for Computer Systems and Networking: A Survey. ACM Computing Surveys, 2023, 55, 1-36.	16.1	4
170	An encoding-aware bitrate adaptation mechanism for video streaming over HTTP. Multimedia Tools and Applications, 0, , 1.	2.6	1
171	Super-resolution based bitrate adaptation for HTTP adaptive streaming for mobile devices. , 2022, , .		3
172	Reinforcement Learning-Based Adaptive Streaming Scheme with Edge Computing Assistance. Sensors, 2022, 22, 2171.	2.1	3
173	QoCoVi: QoE- and cost-aware adaptive video streaming for the Internet of Vehicles. Computer Communications, 2022, 190, 1-9.	3.1	3
174	Adaptive and Reliable Underwater Wireless Video Streaming Using Data Muling. , 2021, , .		2
175	WISH: User-centric Bitrate Adaptation for HTTP Adaptive Streaming on Mobile Devices. , 2021, , .		3
176	Measuring Objective Visual Quality of Real-time Communication Systems in the Wild. , 2021, , .		1
177	ANGELA: HTTP Adaptive Streaming and Edge Computing Simulator. , 2021, , .		2
178	Improving Per-title Encoding for HTTP Adaptive Streaming by Utilizing Video Super-resolution. , 2021, , .		1
179	Days of future past. , 2021, , .		6
180	On Data Wastage When User Becomes Idle in HTTP Adaptive Streaming. , 2021, , .		0
181	Qualitative Communication for Emerging Network Applications with New IP. , 2021, , .		4
182	A novel transmission approach based on video content for 360-degree streaming. Multimedia Tools and Applications, 0, , 1.	2.6	1
183	Reformed QoE-Based Approach in Bitrate-Adaptation for Dynamic Adaptive Streaming Systems. International Journal of Interdisciplinary Telecommunications and Networking, 2022, 14, 0-0.	0.2	0
184	Nebula: Reliable Low-latency Video Transmission for Mobile Cloud Gaming. , 2022, , .		3
185	Measuring Objective Visual Quality of Real-Time Communication Systems in the Wild. International Journal of Semantic Computing, 2022, 16, 257-280.	0.4	1

#	ARTICLE	IF	CITATIONS
186	Adaptive Streaming of Content-Aware-Encoded Videos in dash.js. Smpte Motion Imaging Journal, 2022, 131, 30-38.	0.2	5
187	Adaptive Bandwidth Prediction and Smoothing Glitches in Low-Latency Live Streaming. Security and Communication Networks, 2022, 2022, 1-13.	1.0	0
188	Adaptive bitrate streaming in multi-user downlink NOMA edge caching systems with imperfect SIC. Computer Networks, 2022, 212, 109064.	3.2	3
189	Learning Tailored Adaptive Bitrate Algorithms to Heterogeneous Network Conditions: A Domain-Specific Priors and Meta-Reinforcement Learning Approach. IEEE Journal on Selected Areas in Communications, 2022, 40, 2485-2503.	9.7	14
190	Sprinkle Prebuffer Strategy to Improve Quality of Experience with Less Data Wastage in Short-Form Video Streaming. Electronics (Switzerland), 2022, 11, 1949.	1.8	0
191	Assessment of the effects of 5G MEC cache on DASH adaptation algorithms. , 2022, , .		2
192	LEADER: A Collaborative Edge- and SDN-Assisted Framework for HTTP Adaptive Video Streaming. , 2022, , .		6
193	C2. , 2022, , .		0
194	A Perspective on Time Toward Wireless 6G. Proceedings of the IEEE, 2022, 110, 1116-1146.	16.4	35
195	Performance of Low-Latency DASH and HLS Streaming in Mobile Networks. Smpte Motion Imaging Journal, 2022, 131, 26-34.	0.2	2
196	Machine Learning at the Mobile Edge: The Case of Dynamic Adaptive Streaming Over HTTP (DASH). IEEE Transactions on Network and Service Management, 2022, 19, 4779-4793.	3.2	4
197	ARARAT: A Collaborative Edge-Assisted Framework for HTTP Adaptive Video Streaming. IEEE Transactions on Network and Service Management, 2023, 20, 625-643.	3.2	5
198	Towards Interval-Valued Fuzzy Approach to Video Streaming Traffic Classification. , 2022, , .		1
199	Automated Adaptive Playback for Encoder-Adjudicated Live Sports. , 2022, , .		0
200	Super-Resolution-Empowered Adaptive Medical Video Streaming in Telemedicine Systems. Electronics (Switzerland), 2022, 11, 2944.	1.8	1
201	Direct optimisation of $\hat{\lambda}$ for HDR content adaptive transcoding in AV1. , 2022, , .		0
202	Quality-driven video streaming for ultra-dense OFDMA heterogeneous networks. Computer Networks, 2022, 218, 109398.	3.2	0
203	DoFP+: An HTTP/3-Based Adaptive Bitrate Approach Using Retransmission Techniques. IEEE Access, 2022, 10, 109565-109579.	2.6	6

#	ARTICLE	IF	CITATIONS
204	QoE-aware Download Control and Bitrate Adaptation for Short Video Streaming. , 2022, , .		1
205	Performance Evaluation and Testbed for Delivering SRT Live Content using DASH Low Latency Streaming Systems. , 2022, , .		1
206	ETPS: Efficient Two-Pass Encoding Scheme for Adaptive Live Streaming. , 2022, , .		2
207	Video Coding Enhancements for HTTP Adaptive Streaming. , 2022, , .		4
208	Improving Streaming Video with Deep Learning-Based Network Throughput Prediction. Applied Sciences (Switzerland), 2022, 12, 10274.	1.3	3
209	BoB: Bandwidth Prediction for Real-Time Communications Using Heuristic and Reinforcement Learning. IEEE Transactions on Multimedia, 2023, 25, 6930-6945.	5.2	4
210	iRED: Improving the DASH QoS by dropping packets in programmable data planes. , 2022, , .		2
211	CADLAD: Device-aware Bitrate Ladder Construction for HTTP Adaptive Streaming. , 2022, , .		2
212	Adaptive media streaming over IP multicast (mABR). , 2022, , .		2
213	EQMS: An improved energy-aware and QoE-aware video streaming policy across multiple competitive mobile devices. Wireless Networks, 0, , .	2.0	0
214	OTEC. , 2022, , .		3
215	Benchmarking Learning-based Bitrate Ladder Prediction Methods for Adaptive Video Streaming. , 2022, , .		1
216	Admission control and end-to-end slicing for video streaming in MEC-empowered cellular networks. , 2022, , .		1
217	EMS: Erasure-Coded Multi-Source Streaming for UHD Videos Within Cloud Native 5G Networks. IEEE Transactions on Mobile Computing, 2023, , 1-15.	3.9	2
218	Smart Traffic Shaping Based on Distributed Reinforcement Learning for Multimedia Streaming over 5G-VANET Communication Technology. Mathematics, 2023, 11, 700.	1.1	7
219	Low Latency Low Loss Media Delivery Utilizing In-Network Packet Wash. Journal of Network and Systems Management, 2023, 31, .	3.3	5
220	Smart algorithm in wireless networks for video streaming based on adaptive quantization. Concurrency Computation Practice and Experience, 2023, 35, .	1.4	8
221	A Tutorial on Immersive Video Delivery: From Omnidirectional Video to Holography. IEEE Communications Surveys and Tutorials, 2023, 25, 1336-1375.	24.8	2

#	ARTICLE	IF	CITATIONS
222	Assessment of the Quality of Video Sequences Performed by Viewers at Home and in the Laboratory. Applied Sciences (Switzerland), 2023, 13, 5025.	1.3	1
223	Multipath transmission aware ABR algorithm for SVC HAS. Computer Communications, 2023, 201, 20-36.	3.1	1
224	Content-adaptive Encoder Preset Prediction for Adaptive Live Streaming. , 2022, , .		2
225	Quality-Constrained Encoding Optimization for Omnidirectional Video Streaming. IEEE Transactions on Circuits and Systems for Video Technology, 2023, , 1-1.	5.6	0
226	Edge Intelligence-Empowered Immersive Media. IEEE MultiMedia, 2023, 30, 8-17.	1.5	1
228	MCOM-Live: A Multi-Codec Optimization Model at the Edge for Live Streaming. Lecture Notes in Computer Science, 2023, , 252-264.	1.0	1
229	The state of art and review on video streaming. Journal of High Speed Networks, 2023, , 1-26.	0.6	1
235	Latency Target based Analysis of the DASH.js Player. , 2023, , .		0
236	RABBIT: Live Transcoding of V-PCC Point Cloud Streams. , 2023, , .		0
237	QoE- and Energy-aware Content Consumption For HTTP Adaptive Streaming. , 2023, , .		1
240	Need for Low Latency: Media over QUIC. , 2023, , .		1
241	Transcoding Quality Prediction for Adaptive Video Streaming. , 2023, , .		4
242	Improving the Performance of Web-Streaming by Super-Resolution Upscaling. , 2023, , .		0
243	LALISA: Adaptive Bitrate Ladder Optimization in HTTP-based Adaptive Live Streaming. , 2023, , .		2
245	Cross that boundary: Investigating the feasibility of cross-layer information sharing for enhancing ABR decision logic over QUIC. , 2023, , .		0
246	TransABR: A Deep Reinforcement Learning Approach Based on Transformer for Adaptive UHD Video Streaming over Mixed Band 5G. , 2023, , .		0
252	Impact of Quality and Distance on the Perception of Point Clouds in Mixed Reality. , 2023, , .		1
253	Quality Upshifting with Auxiliary I-Frame Splicing. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
257	Just Noticeable Difference-Aware Per-Scene Bitrate-Laddering for Adaptive Video Streaming. , 2023, , .		1
258	Comparison of HDR quality metrics in Per-Clip Lagrangian multiplier optimisation with AV1. , 2023, , .		1
259	Meta Reinforcement Learning for Rate Adaptation. , 2023, , .		0
261	Deep Reinforcement Learning with Importance Weighted A3C for QoE enhancement in Video Delivery Services. , 2023, , .		0
262	A Real-Time Blind Quality-of-Experience Assessment Metric for HTTP Adaptive Streaming. , 2023, , .		1
269	Challenges of Livecast Computing Network: A Contemporary Survey. , 2023, , .		0
270	Improving the Quality of Automated Vehicle Control Systems Using Video Compression Technologies for Networks with Unstable Bandwidth. , 2023, , .		0
271	A Demand-Aware Adaptive Streaming Strategy for High-Quality WebRTC Videoconferencing. , 2023, , .		0
272	Community-Based QoE Enhancement for User-Generated Content Live Streaming. , 2023, , .		0
274	Karma: Adaptive Video Streaming via Causal Sequence Modeling. , 2023, , .		0
275	Enhancing Quality of Experience by Monitoring End-User Streaming Behavior. , 2023, , .		0
278	Energy-Efficient Multi-Codec Bitrate-Ladder Estimation for Adaptive Video Streaming. , 2023, , .		0
279	Enhancing Satisfied User Ratio (SUR) Prediction for VMAF Proxy through Video Quality Metrics. , 2023, , .		0
281	vStream IT: Video Streaming for Resource Constrained IoTs - An Optimal Control Approach. , 2024, , .		0
282	Quality of Experience in Video Streaming: Status Quo, Pitfalls, and Guidelines. , 2024, , .		0
283	Data storage and modeling system for GPS, Gyro and camera data using apache flume and hadoop map reduce. AIP Conference Proceedings, 2024, , .	0.3	0
284	Video Quality Assessment with Texture Information Fusion for Streaming Applications. , 2024, , .		0
285	Optimal Quality and Efficiency in Adaptive Live Streaming with JND-Aware Low latency Encoding. , 2024, , .		0

#	ARTICLE	IF	CITATIONS
286	Energy-efficient Adaptive Video Streaming with Latency-Aware Dynamic Resolution Encoding. , 2024, , .		0
288	Gain of Grain. , 2024, , .		0