# C6130V - Virtual reality

view online
Report generated from year 2013 to 2021

Articles published

30792 articles published with this Subject classification between **2013 - 2021**

Articles published % change

Between **2013 - 2020** article output increased **130.88%**

Times cited

Articles published with this Subject classification between **2013 - 2021** have been cited **19658** times, with an average of **0.64** citations per article

Subject classification over time
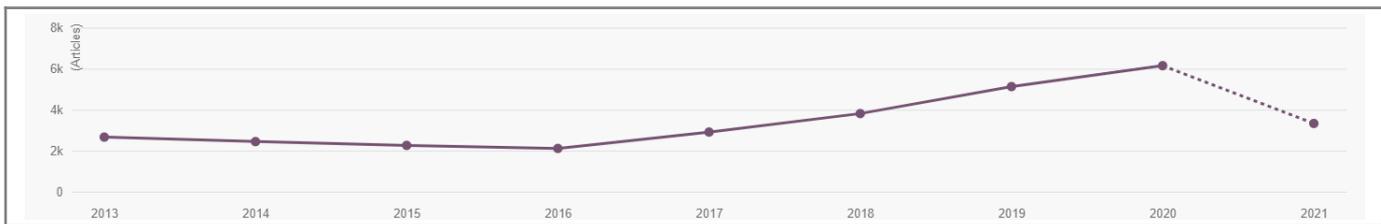
#	Year	Articles	% Change	Times cited	Avg times cited
1	2013	2662	n/a	4606	1.73
2	2014	2443	-8.23%	4156	1.70
3	2015	2258	-7.57%	3393	1.50
4	2016	2110	-6.55%	2688	1.27
5	2017	2909	37.87%	2479	0.85
6	2018	3810	30.97%	1624	0.43
7	2019	5126	34.54%	556	0.11
8	2020	6146	19.90%	148	0.02
9	2021	3328	n/a	8	0.00

Co-occurring concepts

#	Controlled terms	Articles	
1	virtual reality	19553	
2	augmented reality	9969	
3	computer aided instruction	4460	
4	human computer interaction	2954	
5	mobile computing	2451	
6	computer games	2377	
7	data visualisation	2325	
8	medical computing	2041	
9	user interfaces	1972	
10	helmet mounted displays	1834	
11	haptic interfaces	1725	
12	teaching	1636	
13	avatars	1609	
14	rendering (computer graphics)	1558	
15	computer based training	1554	
16	solid modelling	1484	
17	learning (artificial intelligence)	1452	
18	Internet	1289	
19	human factors	1216	
20	cameras	1113	

Total terms : 3645

#	Subject classifications	Articles	
1	C6000 - Computer software	30792	
2	C6130 - Data handling techniques	30792	
3	C6100 - Software techniques and systems	30792	
4	C7000 - Computer applications	20307	
5	C7800 - Other computer applications	11264	
6	C5000 - Computer hardware	10754	
7	C6180 - User interfaces	10047	
8	C5200 - Logic design and digital techniques	8007	
9	B6000 - Communications	7863	
10	C5260 - Digital signal processing	7803	
11	B6100 - Information and communication theory	7059	
12	C7810 - Social and behavioural sciences computing	7020	
13	C5260B - Computer vision and image processing techniques	6654	
14	C6130B - Graphics techniques	6589	
15	C7810C - Computer-aided instruction	6199	
16	B6135 - Optical, image and video signal processing	6175	
17	C7300 - Natural sciences computing	5730	
18	C7400 - Engineering computing	5123	
19	C7330 - Biology and medical computing	5038	
20	B7000 - Instrumentation and special applications	4169	

Total codes : 1460

Top organisations

#	Organisations	Articles	
1	**Beihang University** Beijing, China academic	219	
2	**Beijing Institute of Technology** Beijing, China academic	212	
3	**Technische Universitat Munchen** Munchen, Germany academic	210	
4	**University of Central Florida** Orlando, USA academic	207	
5	**Tokyo Daigaku** Bunkyo-ku, Japan academic	202	
6	**Korea Advanced Institute of Science and Technology** Daejeon, South Korea academic	175	
7	**Shanghai Jiao Tong University** Shanghai, China academic	175	
8	**University of Southern California** Los Angeles, USA academic	164	
9	**Aalborg Universitet** Aalborg, Denmark academic	154	
10	**Zhejiang University** Hangzhou, China academic	154	

#	Organisations	Articles
11	**Tsinghua University** Beijing, China academic	152
12	**Rheinisch Westfalische Technische Hochschule Aachen** Aachen, Germany academic	148
13	**Nanyang Technological University** Singapore, Singapore academic	145
14	**Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung eV** Munchen, Germany academic	143
15	**Stanford University** Stanford, USA academic	142
16	**Virginia Polytechnic Institute and State University** Blacksburg, USA academic	140
17	**Politecnico di Milano** Milano, Italy academic	134
18	**Osaka Daigaku** Suita, Japan academic	132
19	**Beijing University of Posts and Telecommunications** Beijing, China academic	130
20	**University of South Australia** Adelaide, Australia academic	124

Total organisations : 5078

Journals

#	Journal	Articles
1	arXiv	628
2	Journal of Physics: Conference Series	484
3	Proceedings of SPIE	452
4	IEEE Access	338
5	Applied Mechanics and Materials	281
6	IOP Conference Series: Materials Science and Engineering	280
7	IEEE Transactions on Visualization and Computer Graphics	277
8	Computers in Human Behavior	231
9	Multimedia Tools and Applications	207
10	Applied Sciences	185
11	Procedia Computer Science	154
12	Sensors	149
13	Virtual Reality	146
14	SID Symposium Digest of Technical Papers	123
15	Advanced Materials Research	117
16	Journal of System Simulation	111
17	Proceedings of the Human Factors and Ergonomics Society Annual Meeting	106
18	IOP Conference Series: Earth and Environmental Science	92
19	Computer Animation and Virtual Worlds	88
20	Proceedings of SPIE - Progress in Biomedical Optics and Imaging	86

Total journals : 1524

Conferences

#	Conference	Articles	
1	2019 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)	280	
2	2021 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)	221	
3	2020 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)	169	
4	2018 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)	132	
5	2017 IEEE Virtual Reality (VR). Proceedings	127	
6	CHI '20: Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems	114	
7	CHI '21: Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems	97	
8	CHI EA '20: Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems	90	
9	CHI EA '21: Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems	82	
10	2015 IEEE Virtual Reality (VR)	79	
11	2021 IEEE Virtual Reality and 3D User Interfaces (VR)	77	
12	2020 IEEE Conference on Virtual Reality and 3D User Interfaces (VR)	70	
13	2021 7th International Conference of the Immersive Learning Research Network (iLRN)	68	
14	VRST '20: 26th ACM Symposium on Virtual Reality Software and Technology	64	
15	2020 6th International Conference of the Immersive Learning Research Network (iLRN). Proceedings	63	
16	2017 International Conference on Virtual Rehabilitation (ICVR)	62	
17	2020 IEEE International Conference on Artificial Intelligence and Virtual Reality (AIVR)	62	
18	2018 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct)	61	
19	2020 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct)	61	
20	2019 IEEE International Symposium on Mixed and Augmented Reality Adjunct (ISMAR-Adjunct). Proceedings	58	

Total conferences : 5598

Related controlled terms

#	Controlled terms	Articles	
1	virtual reality	19553	
2	augmented reality	9969	
3	avatars	1609	
4	virtual prototyping	292	
5	virtual reality languages	70	

Total terms : 5

Related Subject classifications

#	Parent
1	C6130 - Data handling techniques

Total codes : 1

#	Siblings	Articles
1	C6130E - Data interchange	0

#	Siblings	Articles
2	C6130S - Data security	0
3	C6130D - Document processing and analysis techniques	0
4	C6130B - Graphics techniques	0
5	C6130G - Groupware	0
6	C6130M - Multimedia	0
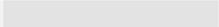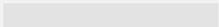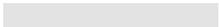
Total codes : 6

#	Children	Articles

Total codes : 0