

可穿戴技术的教育应用研究前沿述评

361102

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2009 Ogunduyile et al. 2013
 Hao & Helo 2015 CNN
 McNicoll 2013
 EDUCAUSE Learning Initiative New Media Consortium 2013 the
 2015 Johnson et al. 2013 2015 4-5
 2-3 Johnson et al. 2015

Barfield Caudell 2001

Bower

Sturman 2015

Bower & Sturman 2015

Johnson 2013

Tehrani Kiana

Michael 2014

20 60

Thorp 1998

1998

Warwick

Barfield 2015

Popat & Sharma 2013

Vandrico

1

433

290

1

1

203

46.8%

57.9%

DIGITSOLE
OWLET

OCULUS RIFT
DIGITSOLE

TN

IPHONE

OCULUS RIFT

TN

OWLET

1

2

	50		79
	194		14
	28		19
	39		25
	251		10
	76		3
	7		12
			203
			7
			11
			12
			12



20%

Bolton 2015

2016

960

Tsukayama 2013

2013 2015

Sapargaliyev 2015a

Coffman 2015

4

Vallurupalli et al. 2013

Kukulska-Hulme 2014

to Visual Perception
animal

James Gibson Gibson 1979 The Ecological Approach
" "

Norman 1988

2016 ⁵

Barnes 2000

2002

artifact

Kirschner

tional intervention

educa-

OCULUS RIFT

Odegard 2013

PDA_s

SAMSUNG GEAR VR CONTROL VR OCULUS RIFT

3D

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A Research Review on Frontiers of Wearable Technology Application in Education

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Abstract Wearable technology is a hot and leading topic in the field of science and technology and has already started its application in education health care industry and other social sectors. It offers an unprecedented convenience for people's study life and work. The paper provides a brief overview of the definition of wearable technology and classifies its applications then emphasises on the situation of application of wearable technology in education sector and discusses its affordances in education. The study tries to provide the reference for the future development of application of wearable technology in education.

Key words wearable technology education affordance