



亞洲大學|資電學院

Asia University| College of Information and Electrical Engineering

資訊工程學系

Department of Computer Science and Information Engineering



人工智慧組06

<眼動儀資料蒐集文字探勘>

指導老師：張剛鳴老師

組員：陳重銘

壹、研究動機：

主要是想讓研究者可以更加瞭解眼動儀在現今的使用效率以及未來有哪些方向的發展，去了解關聯性上可能發展出來的主題。

貳、研究方法：

利用google scholar 及pudmed進行資料的蒐集並且匯出至endnote，接著將整理出來的文獻利用python程式碼進行，並得出最終文章之間的關鍵詞關聯度。

參、研究成果：

這張圖片是從endnote匯入excel之後利用excel內建功能刪去作者及關鍵字的重複項目後的

A	B
1	文章類型 文章標題
2	Journal Article [Defrosting] music chills with naltrexone: The role of endogenous opioids for the intensity of musical pleasure
3	Journal Article [a comparison between the eye trackers of laser cornea correction systems made by foreign manufacturers]
4	Journal Article [ablation on the undersurface of a LASIK flap, instrument and method for continuous eye tracking]
5	Journal Article [amniotic membrane as a carrier for cultivated and labeled corneal endothelial cell transplantation]
6	Journal Article [assessment of laparoscopic training based on eye tracker and electroencephalograph]
7	Journal Article [astigmatism correction with Excimer laser]
8	Journal Article [Comparison study on subjective and objective measurements of the accommodative convergence to accommodation ratio]
9	Journal Article [Hierarchical clustering analysis of congenital nystagmus waveforms]
10	Journal Article [Near triad meter-dynamic measurement of pupillometry with horizontal eye tracker by accommodative stimulation]
11	Journal Article [Necessary visual information for restoring reading with a retinal implant in a blind patients with massive retinal degeneration of photoreceptors]
12	Journal Article [Quantitative assess the efficacy of congenital idiopathic nystagmus surgery by digital eye tracker]
13	Journal Article [Reduction of decentration after LASIK using a modified eye tracker ring for the MEL-70 excimer laser]
14	Journal Article [Shutter-glasses haploscope with eye-tracking control for fusion therapy]
15	Journal Article [Study on method of laparoscopic training based on eye gaze tracking techniques]
16	Journal Article [Text comprehension, cognitive resources and aging]
17	Conference Pr (Kal & ido):(Real-Time) Privacy Control for (Eye-Tracking) Systems
18	Journal Article 3-D eye movement analysis
19	Conference Pr 3D eye movement analysis for VR visual inspection training
20	Journal Article 3D gaze estimation for head-mounted eye tracking system with auto-calibration method
21	Conference Pr 3D gaze estimation from 2D pupil positions on monocular head-mounted eye trackers
22	Conference Pr 3D gaze estimation in the scene volume with a head-mounted eye tracker
23	Journal Article 3D gaze estimation without explicit personal calibration
24	Conference Pr 3D model-based gaze estimation in natural reading: a systematic error correction procedure based on annotated texts
25	Journal Article 3D point-of-intention determination using a multimodal fusion of hand pointing and eye gaze for a 3D display
26	Conference Pr 3D point-of-regard, position and head orientation from a portable monocular video-based eye tracker
27	Journal Article 6 Integration and accumulation of Information across Saccadic Eye
28	Journal Article a 2008mu \$s Processing Time Smart Image Sensor for an Eye Tracker Using Pixel-Level analog Image Processing
29	Journal Article a 2D eye gaze estimation system with low-resolution webcam images
30	Journal Article a brain-computer interface method combined with eye tracking for 3D interaction

這張圖是代表每一篇文章的標題所能拆開成一個一個單詞的關鍵字

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
2	0	Journal	Article	Defrosting	music	chills	with	naltrexone	The	role	of	endogenous	opioids	for	the	intensity	of	musical	pleasure			
3	1	Journal	Article	[A	comparison	between	the	eye	trackers	of	laser	cornea	correction	systems	made	by	foreign	manufacturers]				
4	2	Journal	Article	[Ablation	on	the	undersurf	of	a	LASIK	flap,	Instrument	and	method	for	continuous	eye	tracking]				
5	3	Journal	Article	[Amniotic	membrac	as	a	carrier	for	cultivated	and	labeled	corneal	endothelial	cell	transplantation]						
6	4	Journal	Article	[Assessme	of	laparosc	training	based	on	eye	tracker	and	electroencephalograph]									
7	5	Journal	Article	[Astigmat	correction	with	Excimer	laser]														
8	6	Journal	Article	[Compari	study	on	subjective	and	objective	measure	of	the	accommo	convergent	to	accommo	ratio]					
9	7	Journal	Article	[Hierarch	clustering	analysis	of	congenital	nystagmus	waveforms]												
10	8	Journal	Article	[Near	triad	meter-dyn	measure	of	pupillome	with	a	horizontal	eye	tracker	by	accommo	stimulation]					
11	9	Journal	Article	[Necessar	visual	informatic	for	restoring	reading	with	a	retinal	implant	in	a	blind	patients	with	massive	retinal	degenerat	of
12	10	Journal	Article	[Quantitat	assess	the	efficacy	of	congenital	idiopathic	nystagmus	surgery	by	digital	eye	tracker]						
13	11	Journal	Article	[Reductio	of	decentrat	after	LASIK	using	a	modified	eye	tracker	ring	for	the	MEL70	excimer	laser]			
14	12	Journal	Article	[Shutter]	haploscop	with	eyetrack	control	for	fusion	therapy]											
15	13	Journal	Article	[Study	on	method	of	laparosc	training	based	on	eye	gaze	tracking	techniques]							
16	14	Journal	Article	[Text	comprehe	cognitive	resources	and	aging]													
17	15	Confere	nc	[Kal & ido]	Privacy	Control	for	(EyeTrac	Systems													
18	16	Journal	Article	3D	eye	movement	analysis															
19	17	Confere	nc	3D	eye	movement	analysis	for	VR	visual	inspection	training										
20	18	Journal	Article	3D	gaze	estimator	for	headmoun	eye	tracking	system	with	autocalib	method								
21	19	Confere	nc	3D	gaze	estimator	from	2D	pupil	positions	on	monocul	headmoun	eye	trackers							
22	20	Confere	nc	3D	gaze	estimator	in	the	scene	volume	with	a	headmoun	eye	tracker							
23	21	Journal	Article	3D	gaze	estimator	without	explicit	personal	calibration												
24	22	Confere	nc	3D	modelbas	gaze	estimator	in	natural	reading	A	systemati	error	correction	procedure	based	on	annotated	texts			
25	23	Journal	Article	3D	pointofint	determina	using	a	multimod	fusion	of	hand	pointing	and	eye	gaze	for	a	3D	display		
26	24	Confere	nc	3D	pointofreg	position	and	head	orientation	from	a	portable	monocul	videobase	eye	tracker						
27	25	Journal	Article	6	Integratio	and	Accumula	of	Informatic	across	Saccadic	Eye										
28	26	Journal	Article	a	2008mu	\$s	Processing	Time	Smart	Image	Sensor	for	an	Eye	Tracker	Using	Pixel-Level	analog	Image	Processing		
29	27	Journal	Article	a	2D	eye	gaze	estimation	system	with	low-resolution	webcam	images									
30	28	Journal	Article	a	brain-computer	interface	method	combined	with	eye	tracking	for	3D	interaction								