

2017년

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Joo, Changhee (주창희)

- Department : School of Electrical and Computer Engineering(전기전자컴퓨터공학부)
- Research Interests : Resource allocation, stochastic optimization, distributed computing, low complexity
- Lab : Network Research Lab
- E-Mail : cjoo@unist.ac.kr
- Website : http://netlab.unist.ac.kr/

Article	Proceeding	Patent	Report
Issue Date	Title	Author(s)	Type View
201612	Resource Allocation in Full-Duplex OFDMA Networks: Approaches for Full and Limited CSIs	Nam, Changwon; Joo, Changhee; Yoon, Sung-Guk, et al	ARTICLE 38
201608	Receiver-Side TCP Countermeasure to Bufferbloat in Wireless Access Networks	Im, Heesu; Joo, Changhee; Lee, Taeseop, et al	ARTICLE 167
201606	Distributed Greedy Approximation to Maximum Weighted Independent Set for Scheduling With Fading Channels	Joo, Changhee; Lin, Xiaojun; Ryu, Jiho, et al	ARTICLE 46

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Article	Proceeding	Patent	Report			
Issue Date	Title	Author(s)	Type	View	Altmetrics	
201612	Resource Allocation in Full-Duplex OFDMA Networks: Approaches for Full and Limited CSIs	Nam, Changwon; Joo, Changhee; Yoon, Sung-Guk, et al	ARTICLE	78		
201608	Receiver-Side TCP Countermeasure to Bufferbloat in Wireless Access Networks	Im, Heesu; Joo, Changhee; Lee, Taeseop, et al	ARTICLE	188		
201606	Distributed Greedy Approximation to Maximum Weighted Independent Set for Scheduling With Fading Channels	Joo, Changhee; Lin, Xiaojun; Ryu, Jiho, et al	ARTICLE	67		

PlumX가
추가되었습니다.

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PlumX를 활용한 연구 성과 영향력 수집과 시각화



PlumX Metrics란?

기존의
연구성과 영향력
측정 방법

인용 빈도

피인용 횟수
Citation counts

PlumX

&
ScholarWorks

연구성과가
온라인 상에서
어떻게 인식되고
활용되는지 측정

‘즉시 영향력’
+

**기관 리포지토리를
통한 시각화**



피인용 발생까지
시간 소요

즉시적 영향력
파악 불가

인용 빈도
한계



Altmetrics

기존 한계를 보완할
새로운 Metrics의 등장



PlumX – 무엇을 파악할 수 있는가?



Usage

- 얼마나 이용 되는가?
- Clicks, Downloads, Views, Library holdings, Video plays
- Source: EBSCO DB, 리포지터리, PubMed Central 등



Captures

- 연구자들의 관심을 사로잡았는가? → 미래 인용 빈도로 연결 가능
- Bookmarks, Favorites, Readers, Exports, Subscribers
- Source: EBSCO DB, Mendeley, YouTube, GitHub 등



Mentions

- 다른 매체에 언급되었는가?
- Blog mentions, Comments, Links, Reviews
- Source: Blogs, Slideshare, Wikipedia, Amazon 등



Social Media

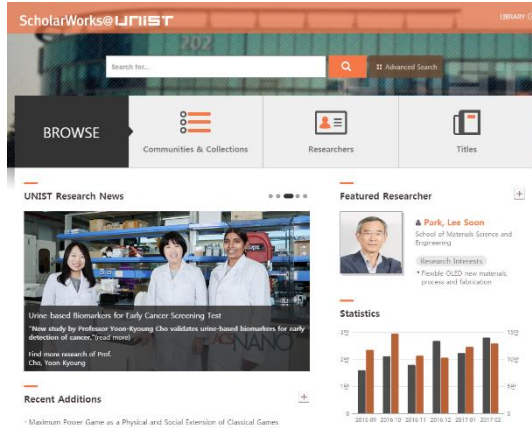
- 활발히 홍보되는가? 대중의 관심을 받고 있는가?
- Likes, +1, Shares, Ratings, Recommendations, Tweets
- Source: Google Plus, Facebook, YouTube, Twitter 등



Citation

- 얼마나 인용되는가?
- Citation Indexes, Citations
- Source: CrossRef, PubMed Central, Scopus, SSRN 등

Metrics - 어떻게 수집하는가?



기관 리포지터리(ScholarWorks)를 바탕으로
PlumX-UNIST DB 구축

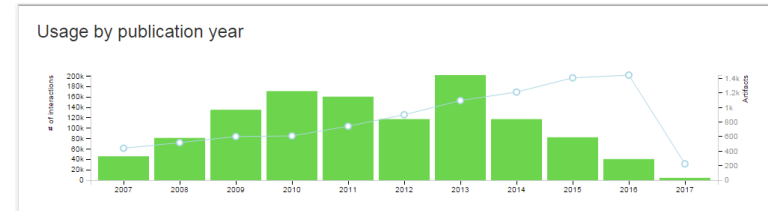
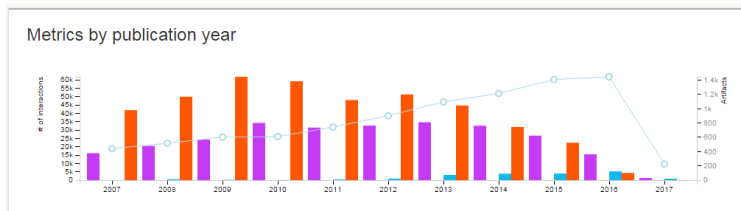


성과 고유 정보(DOI, PMID 등)를 바탕으로
PlumX Metrics 자원에서 각종 데이터 수집

PlumX - 어떻게 활용할 수 있는가?

1. 연구성과 관심도 파악

- 피인용 횟수 외 다양한 영향도 측정
- 온라인 환경에서 높은 관심을 받고 있는 연구성과 파악

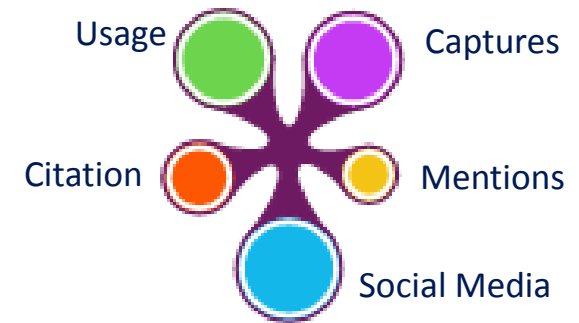


Year	Title	Type	All				
			Captures	Citations	Social Media	Mentions	Usage
2016	A 3D bioprinting system to produce human-scale tissue constructs with structural integrity.	Article	687	99	207	2	152
2016	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications.	Article	230	62	1		18
2016	Rational Strategies for Efficient Perovskite Solar Cells.	Article	220	26			40
2016	Genome evolution in the allotetraploid frog <i>Xenopus laevis</i> .	Article	217	14	1317	6	270
2016	Fast growth of inch-sized single-crystalline graphene from a controlled single nucleus on Cu-Ni alloys.	Article	165	31			14
2016	Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells through SnF ₂ -Pyrzine Complex.	Article	155	26	6		13
2016	Computer-Assisted Synthetic Planning: The End of the Beginning.	Review	148	9	27		29
2016	RNA splicing factors as oncoproteins and tumour suppressors.	Review	144	5	7		11

PlumX - 어떻게 활용할 수 있는가?

2. 기관 리포지토리를 통한 홍보

- 연구자별 성과 목록에 Plum Print 삽입
- 성과별 영향도를 시각화
- 문헌 선택 시 참고할 수 있는 자료 제공



<Plum Print 예시>

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Researcher Page

Kwon, Taejoon (권태준)

- Department: School of Life Sciences(생명과학부)
- Research Interests: Systems biology, computational biology, functional genomics
- Lab: TaejoonLab
- E-Mail: Taejoon@lirist.ac.kr
- Website: http://www.taejoonlab.org/

Issue Date	Title	Author(s)	Type	View	Altimetrics
ACCEPT	Identification of new regulators of embryonic patterning and morphogenesis in <i>Xenopus</i> gastrula by RNA sequencing	Popov, Ivan K; Kwon, Taejoon; Crossman David K, et al	ARTICLE	139	
201701	AmphlBase: A new genomic resource for non-model amphibian species	Kwon, Taejoon	ARTICLE	82	
201610	Genome evolution in the allotetraploid frog <i>Xenopus laevis</i>	Seavon, Adam M; Uno, Yoshinobu; Kwon, Taejoon, et al	ARTICLE	128	

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Genomic evolution in the allotetraploid frog *Xenopus laevis*

Cited 0 times in **WEB OF SCIENCE** | Cited 0 times in **Scopus** | **Altmetric** 316 | Download | Export

Usage	Captures	Mentions	Social Media
Clicks: 251 Abstract Views: 17 Link-outs: 2	Readers: 217	Blog Mentions: 1 News Mentions: 4 Links: 1	Shares, Likes & Comments: 1063 Score: 1 Tweets: 253

Citations
Citation Indexes: **14**

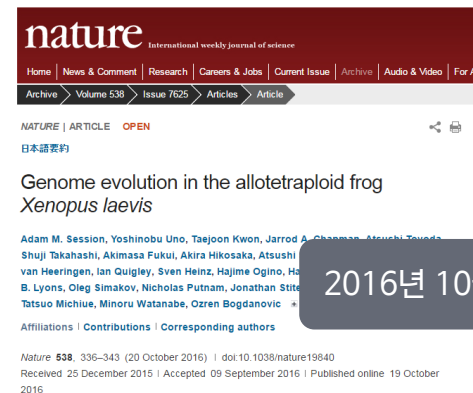
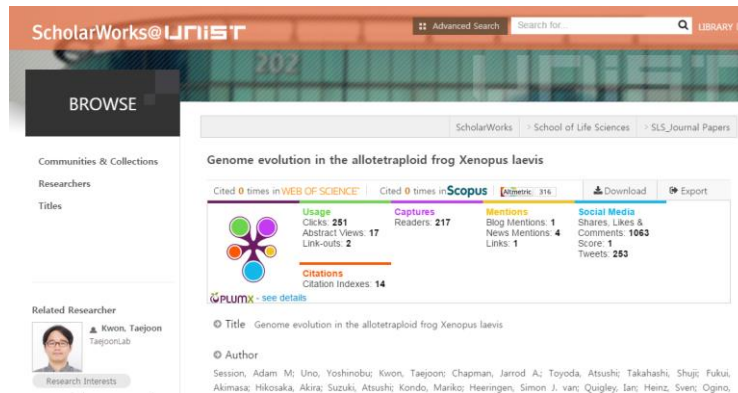
PLUMX - see details

◎ Title Genomic evolution in the allotetraploid frog *Xenopus laevis*

◎ Author
Session, Adam M; Uno, Yoshinobu; Kwon, Taejoon; Chapman, Jarrod A; Toyoda, Atsushi; Takahashi, Shuji; Fukui, Akimasa; Hikosaka, Akira; Suzuki, Atsushi; Kondo, Mariko; Heeringen, Simon J. van; Quigley, Ian; Heinz, Sven; Ogino,

<ScholarWorks - 성과 상세 페이지>

PlumX Metrics 예시

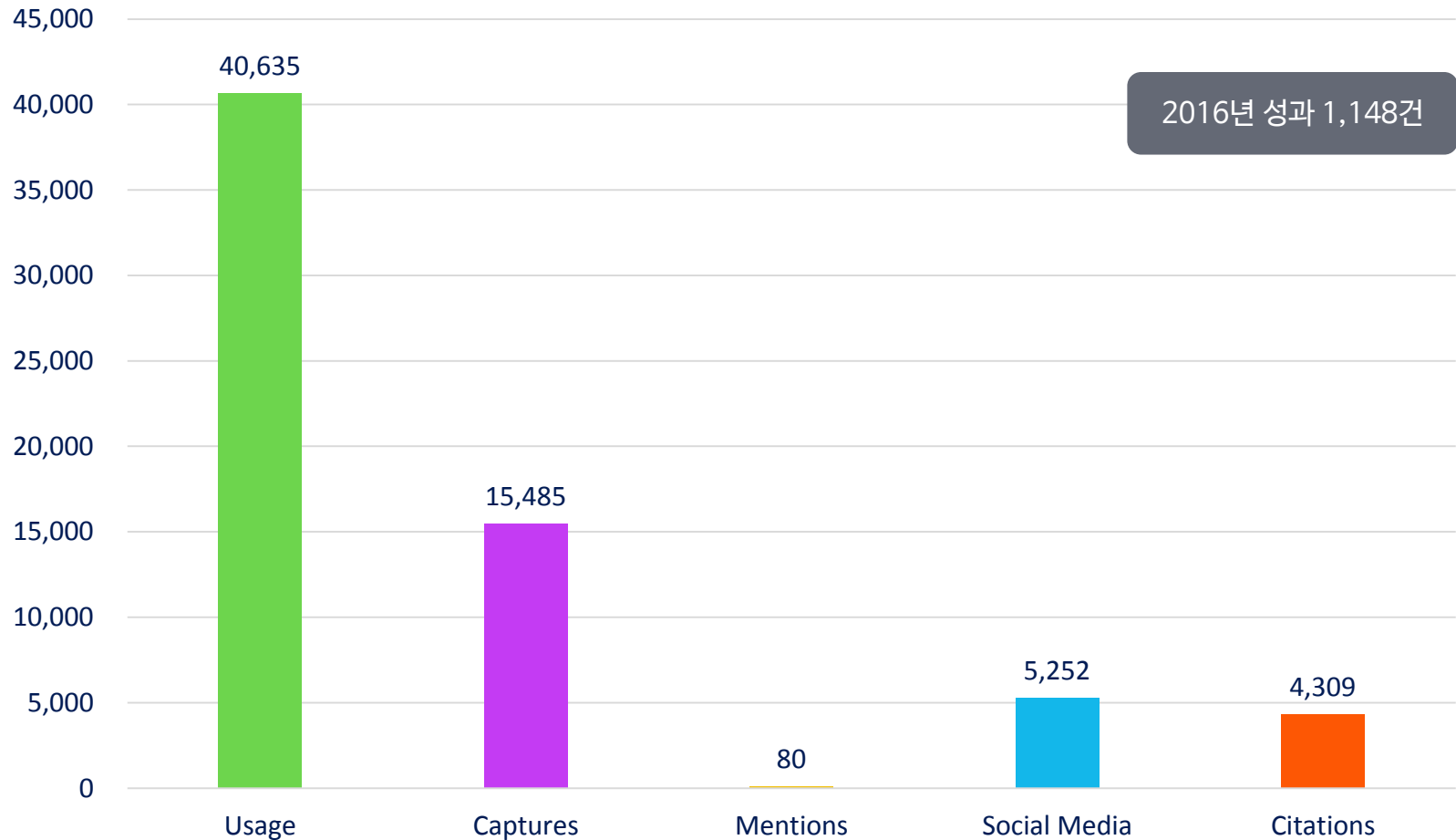


2016년 10월 19일 발표



USAGE ▼	270	CAPTURES ▲	217	MENTIONS ▼	6	SOCIAL MEDIA ▼	1317	CITATIONS ▲	14
Clicks	251	Readers	217	News Mentions	4	Shares, Likes & Comments	1063	Citation Indexes	14
Abstract Views	17	Mendeley	217	Blog Mentions	1			Scopus	14
Link-outs	2			Links	1	Tweets	253	PubMed Central	6
						Scores	1	CrossRef	5

2016 발표 논문의 PlumX Metrics



감사합니다

- UNIST 연구성과 공개: ScholarWorks @ UNIST (<http://scholarworks.unist.ac.kr>)
- ScholarWorks에서 PlumX Metrics 확인하기
: ScholarWorks → Researchers (연구자별 연구성과) → 연구자 선택

※ 관련 문의: 문헌정보팀 권유리 (내선 1405, kyl7539@unist.ac.kr)

