

DATE 6/10/2016

# Research Review – Data Collection and Basic Analysis

Researcher Name:	Bijan Ranjbarsahraei - 3ME	Faculty:	3ME
Review Type:	Systematic review	Objective:	Status quo review

<b>FILE ADDRESS</b>	DROPBOX\AIDA\SHOWCASE\EXAMPLE-REVIEWPAPER1		
<b>SEARCH QUERY</b>			
Source	Scopus	# Records	770
KEYWORDS	Geopolymer Concrete		
<b>FILTERS</b>			
REFINE			
-			
EXCLUDE			
-			
<b>COMMENTS</b>			
Click here to enter text.			

<b>TOP 10 AUTHORS</b>		<b>TOP 10 COUNTRIES</b>	
Kamarudin, H.	32	Australia	167
Mustafa Al Bakri, A.M.	31	India	156
Provis, J.L.	29	Malaysia	85
Van Deventer, J.S.J.	28	United States	77
Allouche, E.N.	24	China	70
Sanjayan, J.G.	21	Indonesia	36
Nizar, I.K.	18	United Kingdom	25
Chindaprasirt, P.	17	Thailand	25
Sarker, P.K.	16	South Korea	23
Nuruddin, M.F.	16	Italy	20

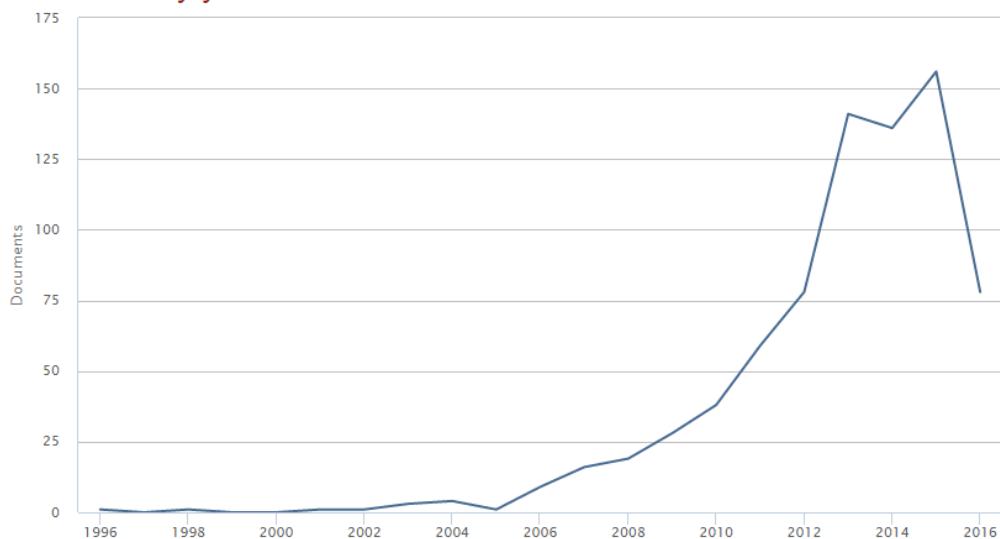
  

<b>TOP AFFILIATIONS</b>		<b>TOP SOURCES</b>	
Curtin University	50	Construction and Building Materials	72
Universiti Malaysia Perlis	36	Materials Science Forum	34
University of Melbourne	32	Advanced Materials Research	32
University of New South Wales UNSW Australia	25	Indian Concrete Journal	26
Swinburne University of Technology	24	Applied Mechanics and Materials	18
Universiti Teknologi Petronas	23	Materials and Structures Matériaux Et Constructions	16
Louisiana Tech University	23	Key Engineering Materials	15
University of Sheffield	19	Ceramic Engineering and Science Proceedings	14
Khon Kaen University	17	Asian Journal of Civil Engineering	14
Monash University	17	ACI Materials Journal	13

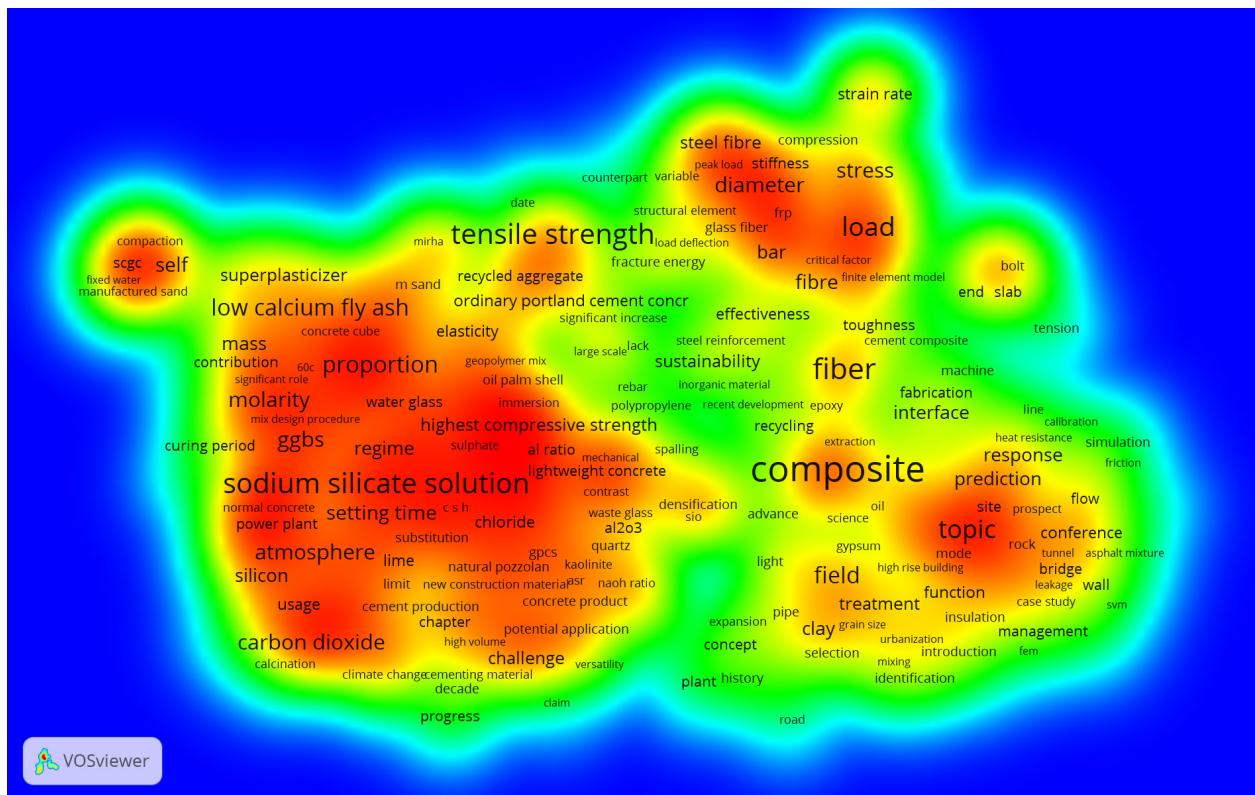
## DISCUSSION

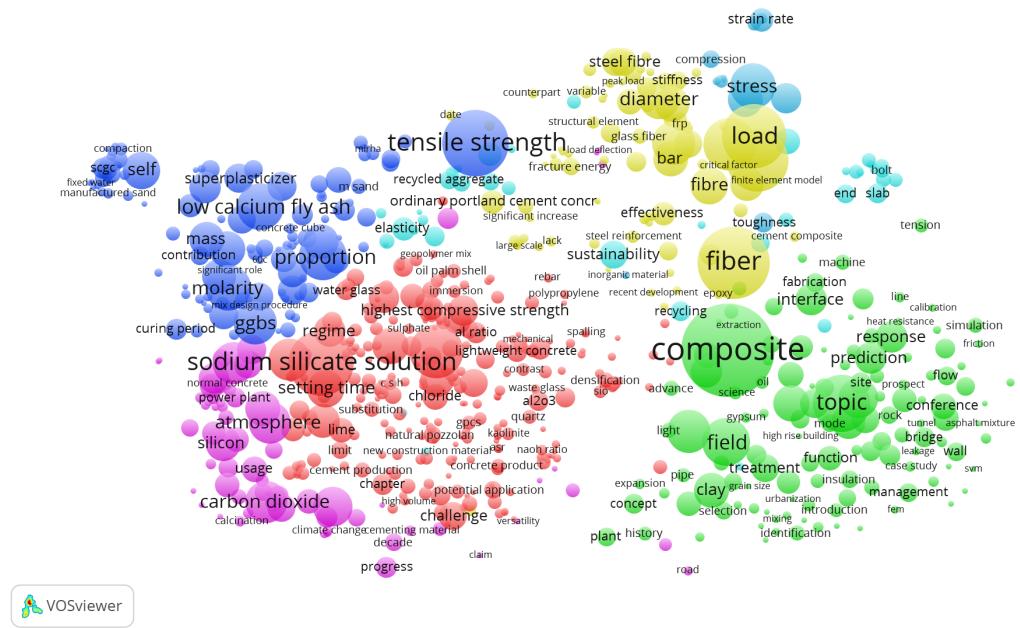
### Documents per Year

Documents by year



### Term Map





### CLUSTERS (CLOCKWISE FROM TOP LEFT)

DARK BLUE: low calcium fly ash, tensile strength, molarity, ggbs

YELLOW: beam, reinforcement, diameter, steel fibre

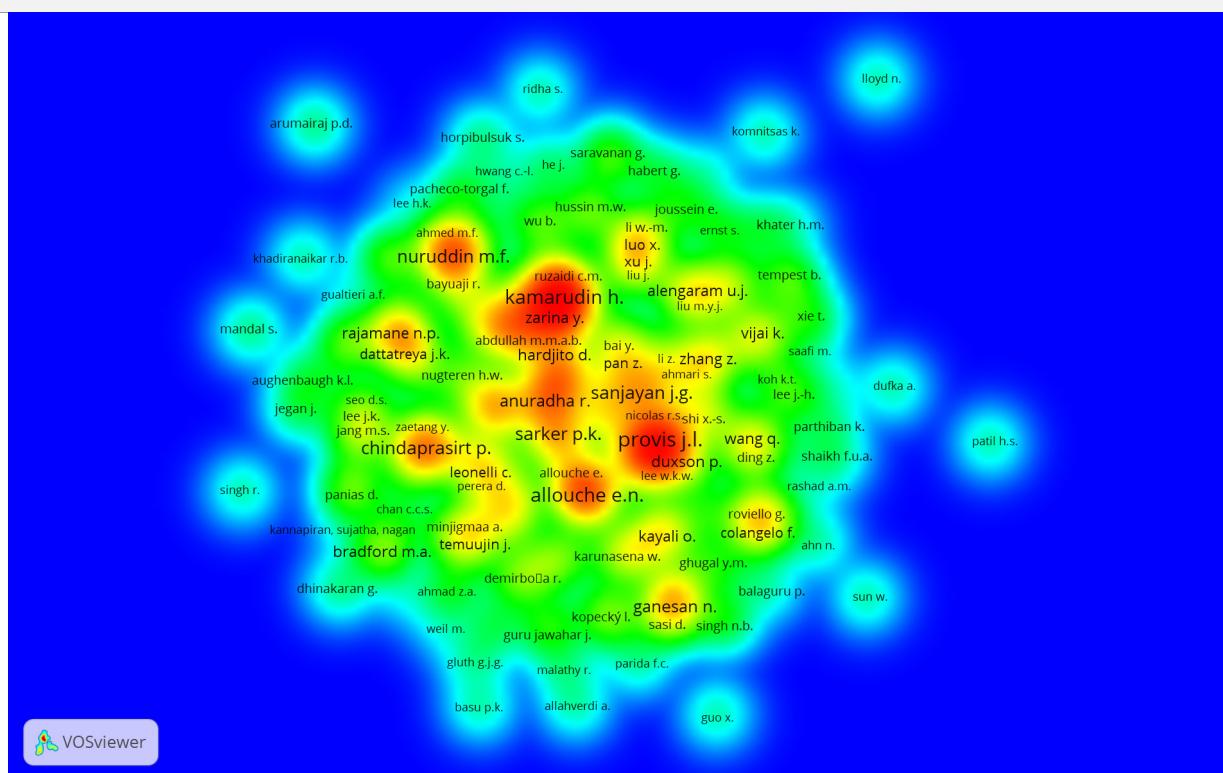
LIGHT BLUE: stress, strain, deformation, compression

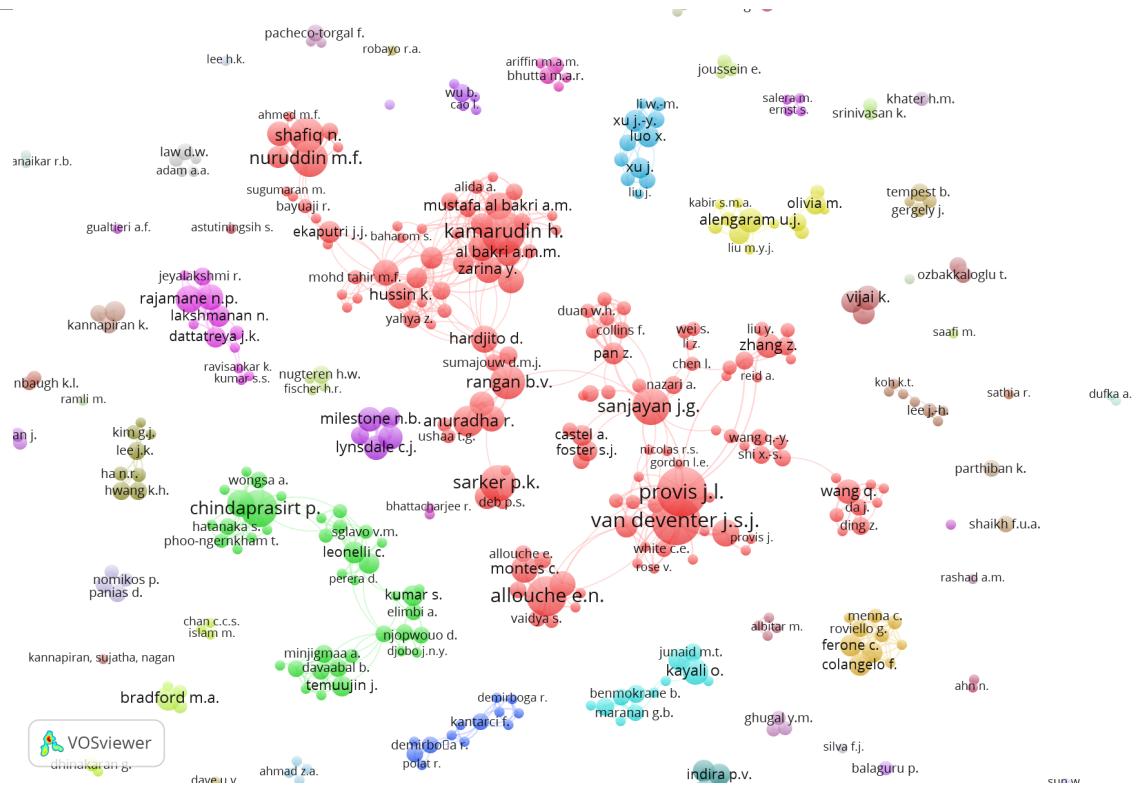
GREEN: Composite, Coating, prediction, evolution, clay

## RED: Sodium Silicate Solution, x ray diffraction

## DISCUSSION

CO-AUTHORSHIP MAPS





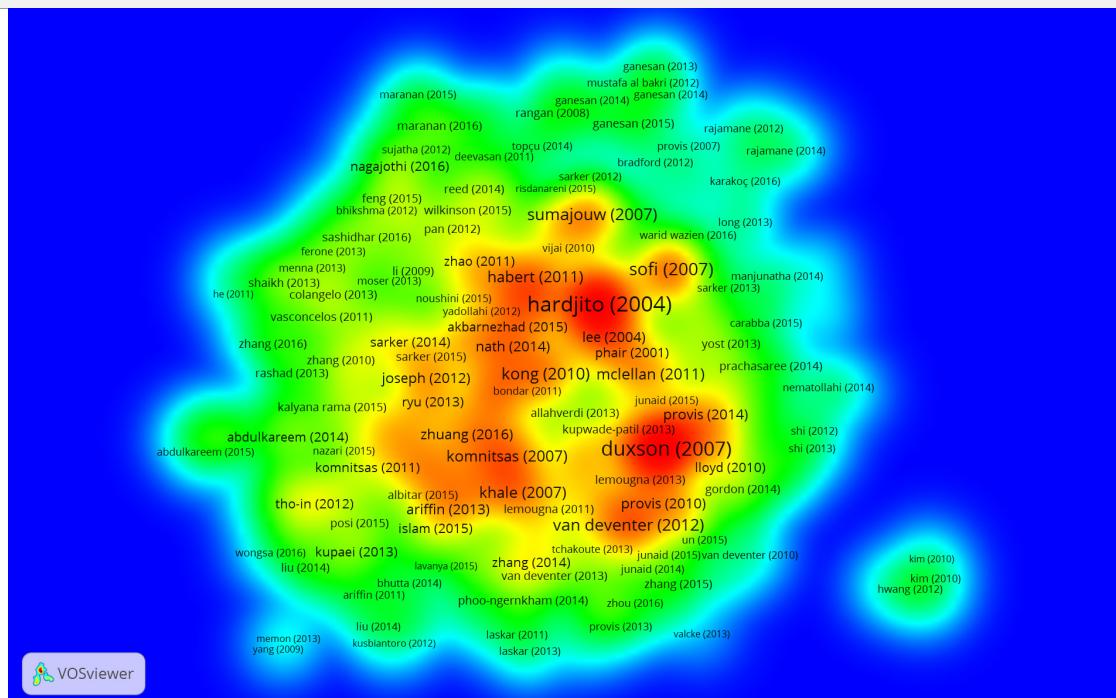
## CLUSTERS (CLOCKWISE FROM TOP LEFT)

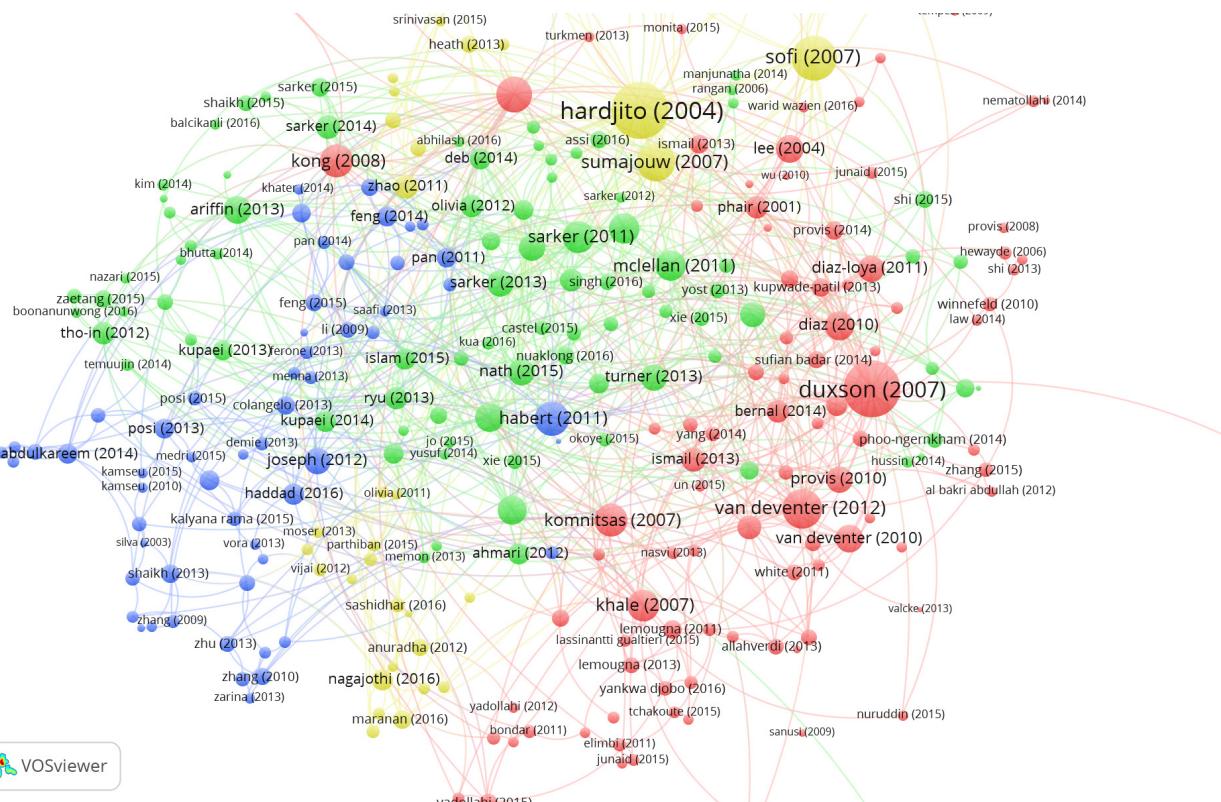
**RED:** Shafiq, N.; Nuruddin, M.F., Kamarudin, H.; Kamarudin, H.; Rangan, B.V.; Sanjayan J. G.; Provis J.L.; van Devenster, J.S.J.; Allouche, E.N.

**GREEN:** Chindaprasirt, P.; Leonelli, C;

## DISCUSSION

## CITATION MAP





## IMPORTANT PAPERS

- Peter **Duxson**, John L. Provis, Grant C. Lukey, Jannie S.J. van Deventer, The role of inorganic polymer technology in the development of 'green concrete', *Cement and Concrete Research*, Volume 37, Issue 12, December **2007**, Pages 1590-1597, ISSN 0008-8846
- M. **Sofi**, J.S.J. van Deventer, P.A. Mendis, G.C. Lukey, Engineering properties of inorganic polymer concretes (IPCs), *Cement and Concrete Research*, Volume 37, Issue 2, February **2007**, Pages 251-257, ISSN 0008-8846, <http://dx.doi.org/10.1016/j.cemconres.2006.10.008>.
- **Hardjito**, Djwantoro, et al. "On the development of fly ash-based geopolymer concrete." *ACI Materials Journal-American Concrete Institute* 101.6 (**2004**): 467-472.

## DISCUSSIONS