



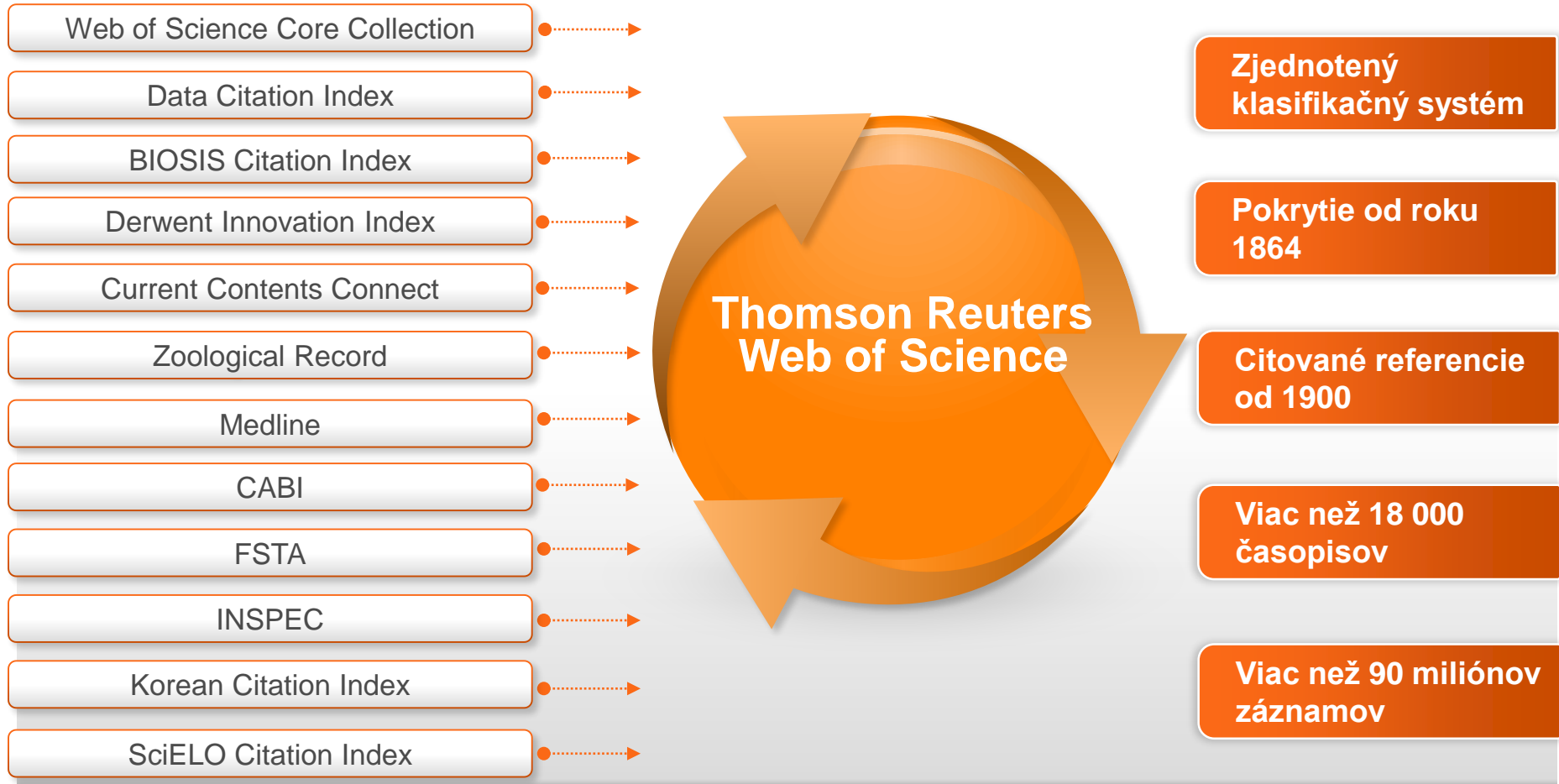
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Eniko Toth Szasz
Customer Education Product Specialist
eniko.szasz@thomsonreuters.com

A view shows the Labyntyr lake, some 100 km south of Oymyakon in the Republic of Sakha, northeast Russia, February 1, 2013. REUTERS/Maxim Shemetov

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Trends, rhythms, and aberrations in **global** climate 65 Ma to present

By: Zachos, J (Zachos, J); Pagani, M (Pagani, M); Sloan, L (Sloan, L); Thomas, E (Thomas, E); Billups, K (Billups, K)

SCIENCE

Volume: 292 Issue: 5517 Pages: 686-693

DOI: 10.1126/science.1059412

Published: APR 27 2001

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Abstract

Since 65 million years ago (Ma), Earth's climate has undergone a significant and complex evolution, the finer details of which are now coming to light through investigations of deep-sea sediment cores. This evolution includes gradual trends of **warming** and cooling driven by tectonic processes on time scales of 10(5) to 10(7) years, rhythmic or periodic cycles driven by orbital processes with 10(4)- to 10(6)-year cyclicity, and rare rapid aberrant shifts and extreme climate transients with durations of 10(3) to 10(5) years. Here, recent progress in defining the evolution of **global** climate over the Cenozoic Era is reviewed. We focus primarily on the periodic and anomalous components of variability over the early portion of this era, as constrained by the latest generation of deep-sea isotope records. We also consider how this improved perspective has led to the recognition of previously unforeseen mechanisms for altering climate.

Keywords

Keywords Plus: PALEOCENE THERMAL MAXIMUM; ATMOSPHERIC CARBON-DIOXIDE; ANTARCTIC ICE-SHEET; NORTHERN-HEMISPHERE GLACIATION; OLIGOCENE-MIOCENE BOUNDARY; OCEANIC METHANE HYDRATE; OXYGEN-ISOTOPE RECORD; STABLE-ISOTOPE; SOUTHERN-OCEAN; SEDIMENTOLOGICAL EVIDENCE

Author Information

Reprint Address: Zachos, J (reprint author)

+ Univ Calif Santa Cruz, Dept Earth Sci, Santa Cruz, CA 95064 USA.

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By: Zachos, J (Zachos, J); Pagani, M (Pagani, M); Sloan,

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Abstract

Since 65 million years ago (Ma), Earth's climate has undergone significant changes. Light through investigations of deep-sea sediment cores, we have identified processes on time scales of 10(5) to 10(7) years, rhythmic oscillations, and rare rapid aberrant shifts and extreme climate transients. **Global** climate over the Cenozoic Era is reviewed. We focus on the first portion of this era, as constrained by the latest generation of deep-sea isotope records. We also consider how this improved perspective has led to the recognition of previously unforeseen mechanisms for altering climate.

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By: Zachos, J (Zachos, J); Pagani, M (Pagani, M); Sloan, L (Sloan, L); Thomas, E (Thomas, E); Billups, K (Billups, K)

SCIENCE

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Published: APR 27 2001

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Abstract

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Author Information

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By: Arico, AS; Bruce, P; Scro...
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Published: MAY 2005
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By: Forster, Piers; Ramaswamy, Venkatachalam
Edited by: Solomon, S; Qin, D; Manning, M; et al.
CLIMATE CHANGE 2007: THE PHYSICAL SCIENCE BASIS Pages: 129-234 Published: 2007

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1. Nanostructured materials for advanced energy conversion and storage devices
By: Arico, AS; Bruce, P; Scrosati, B; et al.
NATURE MATERIALS Volume: 4 Issue: 5 Pages: 366-377 Published: MAY 2005
 Full Text from Publisher View Abstract

2. Changes in Atmospheric Constituents and in Radiative Forcing
By: Forster, Piers; Ramaswamy, Venkatachalam
Edited by: Solomon, S; Qin, D; Manning, M; et al.
CLIMATE CHANGE 2007: THE PHYSICAL SCIENCE BASIS Pages: 129-234 Published: 2007


3. Ecological and evolutionary responses to recent climate change
By: Parmesan, Camille
ANNUAL REVIEW OF ECOLOGY EVOLUTION AND SYSTEMATICS Book Series: Annual Review of Ecology Evolution and Systematics Volume: 37 Pages: 637-669 Published: 2006
 Full Text from Publisher View Abstract

Times Cited: 2,791
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- ECOLOGY (2,459)
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Analýza výsledkov II

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23,995 records. TOPIC: (global warming)

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<ul style="list-style-type: none">AuthorsBook Series TitlesConference TitlesCountries/Territories	Show the top <input type="text" value="10"/> Results. Minimum record count (threshold): <input type="text" value="2"/>	<input checked="" type="radio"/> Record count <input type="radio"/> Selected field

Analyze



Analýza výsledkov

Kto financuje výskum v téme?

Field: Funding Agencies	Record Count
NATIONAL NATURAL SCIENCE FOUNDATION OF CHINA	699
NATIONAL SCIENCE FOUNDATION	616
NSF	538
NASA	367
NATIONAL BASIC RESEARCH PROGRAM OF CHINA	257
NOAA	212
CHINESE ACADEMY OF SCIENCES	210
EU	177
AUSTRALIAN RESEARCH COUNCIL	169
EUROPEAN COMMISSION	158

Ktoré inštitúcie robia výskum na danú tému?

Field: Organizations-Enhanced	Record Count
UNIVERSITY OF CALIFORNIA SYSTEM	1313
CHINESE ACADEMY OF SCIENCES	1259
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	931
NATIONAL OCEANIC ATMOSPHERIC ADMIN NOAA USA	891
NATIONAL AERONAUTICS SPACE ADMINISTRATION NASA	795
NATIONAL CENTER ATMOSPHERIC RESEARCH NCAR USA	606
NERC NATURAL ENVIRONMENT RESEARCH COUNCIL	575
UNITED STATES DEPARTMENT OF ENERGY DOE	553
GODDARD SPACE FLIGHT CENTER	481
COLUMBIA UNIVERSITY	479

Kto sú znalci témy?

Field: Authors	Record Count
ANONYMOUS	254
MEEHL GA	59
KUMAR A	52
LUO YQ	49
WANG Y	48
RIND D	48
WALLINGTON TJ	46
WANG B	45
CHAPIN FS	45
FEARNSIDE PM	44



Analýza výsledkov III

Možnosť vylúčenia výsledkov

Možnosť exportu

Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them (and view the others).

<input type="checkbox"/>	Field: Authors	Record Count	% of 23995	Bar Chart
<input type="checkbox"/>	ANONYMOUS	94	0.392 %	
<input type="checkbox"/>	LUO YQ	47	0.196 %	
<input type="checkbox"/>	WANG B	44	0.183 %	
<input type="checkbox"/>	XIE SP	42	0.175 %	
<input type="checkbox"/>	KUMAR A	42	0.175 %	
<input type="checkbox"/>	WANG Y	41	0.171 %	
<input type="checkbox"/>	CHRISTENSEN TH	39	0.163 %	
<input type="checkbox"/>	ZHOU TJ	38	0.158 %	
<input type="checkbox"/>	CIAIS P	38	0.158 %	
<input type="checkbox"/>	ZHANG J	36	0.150 %	



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cifkova r

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- CARDIAC CARDIOVASCULAR SYSTEMS (48)
- PHYSIOLOGY (4)
- MEDICINE GENERAL INTERNAL (4)
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Times Cited: 2,308
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Times Cited: 1,034
(from Web of Science Core Collection)
Highly Cited Paper

- 2007 guidelines for the management of arterial hypertension**
By: Mancia, Giuseppe; De Backer, Guy; Dominiczak, Anna; et al.
Group Author(s): Task Force Management Arterial
JOURNAL OF HYPERTENSION Volume: 25 Issue: 6 Pages: 1105-1187 Published: JUN 2007
 Full Text from Publisher
- 2003 European society of hypertension - European Society of Cardiology guidelines for the management of arterial hypertension**
By: Mancia, G; Rosei, EA; **Cifkova, R**; et al.
Group Author(s): European Soc Hypertension; European Soc Cardiology
JOURNAL OF HYPERTENSION Volume: 21 Issue: 6 Pages: 1011-1053 Published: JUN 2003
 Full Text from Publisher
- 2007 Guidelines for the management of arterial hypertension - The task force for the management of arterial hypertension of the European society of hypertension (ESH) and of the European society of cardiology (ESC)**
By: Mancia, Giuseppe; De Backer, Guy; Dominiczak, Anna; et al.
EUROPEAN HEART JOURNAL Volume: 28 Issue: 12 Pages: 1462-1536 Published: JUN 2007
 Full Text from Publisher

Citation Report II

Počet dokumentov
za posledných 20
rokov

Citácie v
posledných 20
rokoch

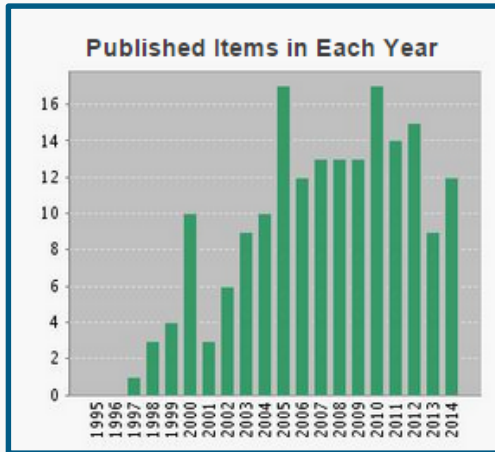
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informácie

Citation Report II

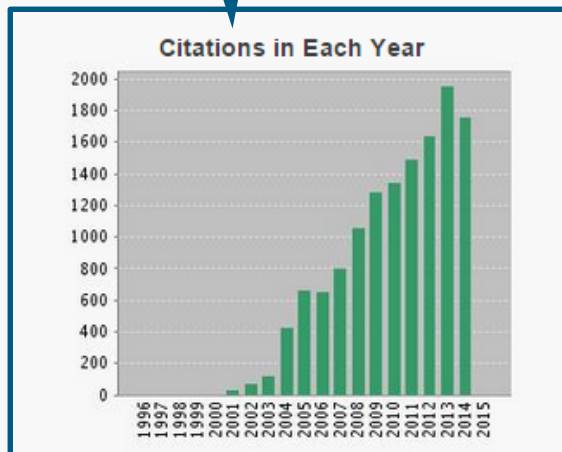
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Citation Report III

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	2011	2012	2013	2014	2015	Total	Average Citations per Year
	1497	1647	1954	1765	2	13351	534.04
<input type="checkbox"/> 1. 2007 guidelines for the management of arterial hypertension By: Mancia, Giuseppe; De Backer, Guy; Dominiczak, Anna; et al. Group Author(s): Task Force Management Arterial JOURNAL OF HYPERTENSION Volume: 25 Issue: 6 Pages: 1105-1187 Published: JUN 2007	397	445	455	215	0	2708	338.50
<input type="checkbox"/> 2. 2003 European society of hypertension - European Society of Cardiology guidelines for the management of arterial hypertension By: Mancia, G; Rosei, EA; Cifkova, R; et al. Group Author(s): European Soc Hypertension; European Soc Cardiology JOURNAL OF HYPERTENSION Volume: 21 Issue: 6 Pages: 1011-1053 Published: JUN 2003	88	58	73	38	0	2308	192.33
<input type="checkbox"/> 3. 2007 Guidelines for the management of arterial hypertension - The task force for the management of arterial hypertension of the European society of hypertension (ESH) and of the European society of cardiology (ESC) By: Mancia, Giuseppe; De Backer, Guy; Dominiczak, Anna; et al. EUROPEAN HEART JOURNAL Volume: 28 Issue: 12 Pages: 1462-1536 Published: JUN 2007	150	184	203	122	0	1034	129.25
<input type="checkbox"/> 4. European guidelines on cardiovascular disease prevention in clinical practice - Third Joint Task Force of European and other Societies on Cardiovascular Disease Prevention in Clinical Practice By: De Backer, G; Ambrosioni, E; Borch-Johnsen, K; et al. EUROPEAN HEART JOURNAL Volume: 24 Issue: 17 Pages: 1601-1610 Published: SEP 2003	58	52	48	20	0	958	79.83
<input type="checkbox"/> 5. European guidelines on cardiovascular disease prevention in clinical practice: executive summary By: Graham, Ian; Atar, Dan; Borch-Johnsen, Knut; et al. EUROPEAN HEART JOURNAL Volume: 28 Issue: 19 Pages: 2375-2414 Published: OCT 2007	142	140	99	44	1	699	87.38
<input type="checkbox"/> 6. Reappraisal of European guidelines on hypertension management: a European Society of Hypertension Task Force document By: Mancia, Giuseppe; Laurent, Stephane; Agabiti-Rosei, Enrico; et al. JOURNAL OF HYPERTENSION Volume: 27 Issue: 11 Pages: 2121-2158 Published: NOV 2009	170	196	155	70	0	677	112.83

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