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contributions to nitrification activity are less clear. Here we examined the distribution of AOA and AOB with depth in semi-arid agricultural soils in which soil organic matter content or pH had been altered, and related their distribution to gross nitrification rates. Soil depth had a significant effect  
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☆ 2 Soil organic matter status in agricultural soil sequence of former shoreline of disappearing Sumowskie Lakes, North-Eastern Poland. Markiewicz, M.; Mendyk, Ł.; Gonet, S. S.; Polish Academy Of Sciences, Lublin, Poland, **Polish Journal of Soil Science**, 2015, 48, 1, pp 65-78, 27 ref.  
The aim of the study has been to define the stocks and the basic properties of soil organic matter in agricultural-used soil sequence located in the former shoreline of disappearing lakes. The study area is located in the catchment of the Sumowskie Lakes, the Brodnica Lake District, North  
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**Title** Soil organic matter status in agricultural soil sequence of former shoreline of disappearing Sumowskie Lakes, North-Eastern Poland.

**Authors** Markiewicz, M.; Mendyk, Ł.; Gonet, S. S.

**Author Affiliation** Department of Soil Science and Landscape Management, Nicolaus Copernicus University in Torun', Lwowska 1, 87-100 Torun', Poland.

**Journal** Polish Journal of Soil Science 2015 Vol. 48 No. 1 pp. 65-78

**ISSN** 0079-2985

**URL** http://https://journals.umcs.pl/pjss/article/view/...

**Record Number** 20163167238

**Abstract**  
The aim of the study has been to define the stocks and the basic properties of soil organic matter in agricultural-used soil sequence located in the former shoreline of disappearing lakes. The study area is located in the catchment of the Sumowskie Lakes, the Brodnica Lake District, North-Eastern Poland. The investigations involved preparation of five soil pits located in the south-western part of the former Sumowskie Lake bottom and on the southern slope of the adjacent kame hill. The greatest soil transformation is reflected in the quality and quantity of the soil organic matter. Indexes of organic matter quality and TOC stocks are significantly changing along the studied transect. The strongly humidified organic matter is found in marsh horizons. Gytja layers above the groundwater level have a medium humification index. Horizons saturated with water are very low humidified. TOC stocks drop along the analysed soil sequence from the biogenic plain to the top of the kame hill.

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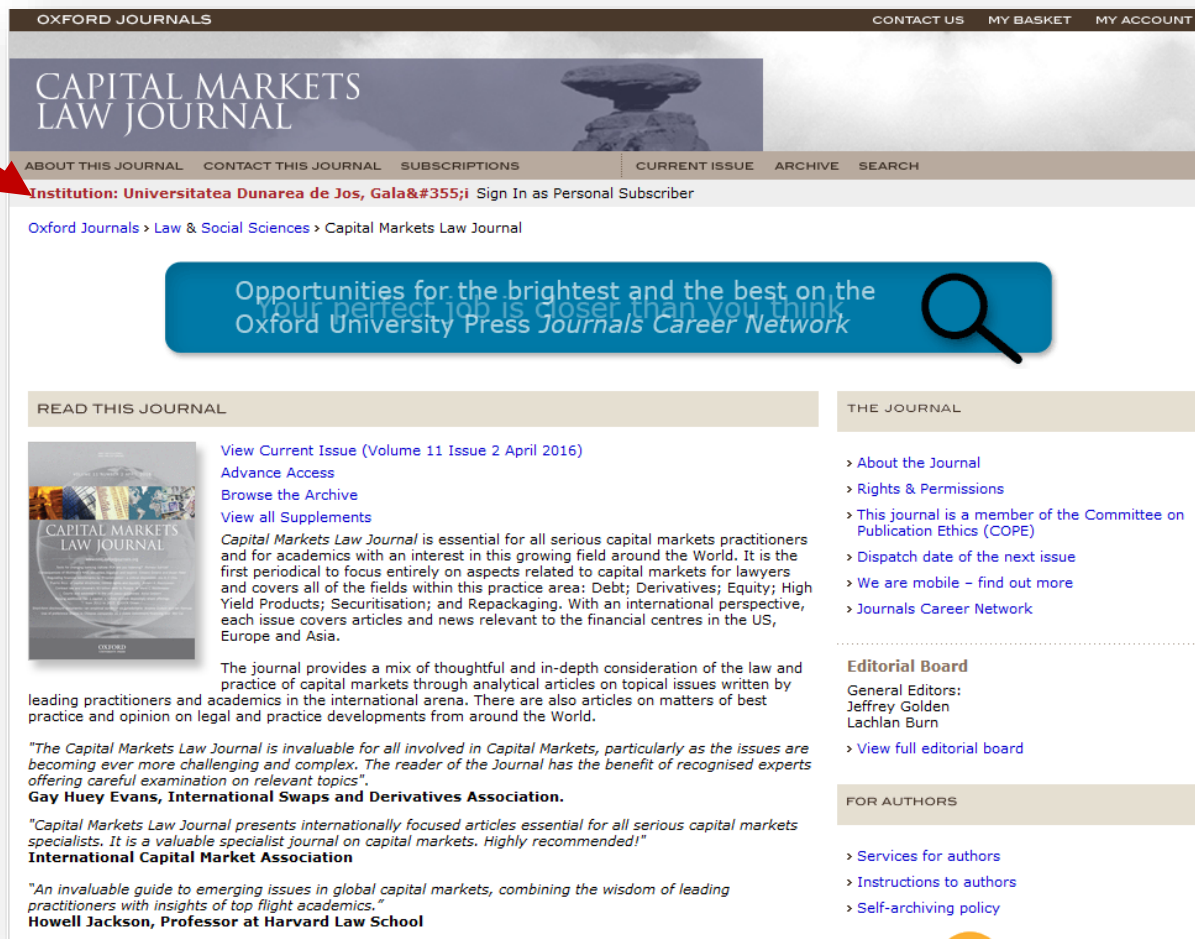
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*Capital Markets Law Journal*, Vol. 11, No. 2 129

## Tools for changing banking culture: FCA are you listening?

Why the FCA's IRHP mass dispute resolution system has failed and what the FCA can do about it

Richard Samuel\*

### Key points

- The mass dispute resolution system that the Financial Conduct Authority (FCA) set up in 2013 for customers of banks who had been mis-sold swaps has closed amid much criticism. It is currently the subject of judicial review proceedings and the FCA's own internal review.
- This article takes the opportunity to suggest to the FCA a new mass redress system of general application that would rapidly establish a publicly accessible body of authority on how the FCA's Handbook rights and duties are to be applied in practice. Such a system would further the FCA's overriding objective in creating the Handbook rights: achieving culture change in banking.
- The suggested approach is modelled on the Employment Tribunal system, which was the forum within which the new statutory rights not to be unfairly dismissed and not to be discriminated on the grounds of sex or race were worked out, in real cases, from the 1960s onwards. In a very short while, that combination of new rights and a claimant-friendly forum had profoundly changed not just employment culture, but civil society as whole.

### 1. The legal underpinnings of banking culture

There is much debate at the moment about how to change banking culture for the better.<sup>1</sup> Not all the issues involved are legal. However, culture has its legal underpinnings. Investment banking culture has a perfectly respectable legal basis under English common

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Capital Markets Law Journal (2016)  
11 (2): 129-144.  
doi: 10.1093/cmlj/kmw001  
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Student, Librarian, and Instructor Perceptions of Information Literacy Instruction and Skills in a First Year Experience Program: A Case Study

Sung Un Kim \*, David Shumaker <sup>1</sup>

Department of Library and Information Science, The Catholic University of America, 620 Michigan Ave., N.E., Washington, DC 20064, USA

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ARTICLE INFO

ABSTRACT

Article history:  
Received 3 February 2015  
Accepted 13 April 2015  
Available online 30 April 2015

Keywords:  
First year experience program  
Embedded librarian  
Information literacy instruction  
Information literacy skills

As more and more academic librarians have adopted the practice of teaching information literacy in first year experience programs, there has been a growing number of studies assessing this practice. However, few studies have compared the views and assessments of students, librarians, and instructors. Through survey methods, this case study was conducted to understand student, librarian, and instructor perceptions of information literacy instruction and students' information literacy skills in two different types of courses at the Catholic University of America. The results indicate that notable differences are associated with the respondent's role as well as the course involvement of the respondent. Students who were involved in a course with consistent inclusion of a substantive information literacy-related assignment tended to rate the effectiveness, importance, and impacts of information literacy instruction, and their own information literacy skills, higher than those in a course with an inconsistent level of engagement with information literacy. Students' assignment grades were positively correlated with their self-ratings of information literacy skills in both courses. In addition, students rated their own information literacy skills higher and rated the importance and impacts of information literacy instruction lower than librarians or instructors did. Implications and recommendations are also addressed.

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Publication range: 2003 - 2013  
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*J Mater Sci* (2016) 51:7170–7178



### Te hexagonal nanotubes: formation and optical properties

Jing Wang<sup>1</sup>, Ming Fang<sup>1\*</sup>, Guang Tao Fei<sup>1</sup>, Mao Liu<sup>1</sup>, Guo Liang Shang<sup>1</sup>, and Li De Zhang<sup>1,\*</sup>

<sup>1</sup>Key Laboratory of Materials Physics and Anhui Key Laboratory of Nanomaterials and Nanostructures, Institute of Solid State Physics, Hefei Institutes of Physical Science, Chinese Academy of Sciences, P. O. Box 1129, Hefei 230031, People's Republic of China

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#### ABSTRACT

Hexagonal Te nanotubes have been synthesized via hydrothermal method. To demonstrate the formation mechanism, the effect of experimental parameters, such as concentration, surfactant, reducing agent, and reaction time, has been investigated. It is found the Te-tubular nanostructure in our experiments is the result of synergistic effect of surfactant, reducing agent, and reaction agent. Further investigation on the photoluminescence (PL) of the Te nanotubes indicates a broad PL peak at about 532 nm (2.33 eV), which is about 6.6 times over its bandgap (0.32 eV). By analyzing the temperature-related Raman spectra, the PL peak has been tentatively ascribed to the surface oxygen-related defect of the Te nanotubes.

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The screenshot shows the Thomson Reuters Web of Science interface. At the top, there are navigation links for various services: Web of Science™, InCites™, Journal Citation Reports®, Essential Science Indicators™, and EndNote™. On the right, there are links for Sign In, Help, and English. The main header features the Web of Science logo and the Thomson Reuters logo. Below the header, there is a search bar with the query 'agriculture AND tool' and a 'Search' button. The search results are currently empty. Below the search bar, there are options to '+ Add Another Field' and 'Reset Form'. The 'TIMESPAN' section is visible, with 'All years' selected. There are also options to filter by 'From 1963-1966 to 2016'. A 'MORE SETTINGS' link is also present.

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TIMESPAN

All years

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Tip publicații: brevete de invenție  
Tip acces: acces la rezumate

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Page 1 of 343

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1. CN205105608-U **Organic fertilizer area variable deep fertilizing machine, has hanging device fixed on machine frame, knife base connected with reinforcing rib that is fixed on cutter plate, and covering plate fixed with fertile shovel by fixing bolt** Citing Patents: 0

Assignee: UNIV CHINA AGRIC  
Inventor(s): GAO Z, LIU W, SHI L, et al.  
Derwent Primary Accession Number: 2016-227678

2. US2016100517-A1 **Agricultural row unit i.e. planting row unit, for use with tractor frame, has down pressure energy storage device coupled to cylinder to permit downward movement of tool in response to decreased resistance to downward movement of tool** Citing Patents: 0

Assignee: DAWN EQUIP CO  
Inventor(s): BASSETT J D  
Derwent Primary Accession Number: 2016-217049

3. CN205124252-U **Hoe trousers anti-falling structure for agricultural tool, has hoe body fixed with bump of connecting rib, bulge connecting rib and hoe trousers are integrated together, where hoe trousers are formed with concave-convex structure** Citing Patents: 0

# Thomson Reuters-Derwent Innovations Index

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Agricultural row unit i.e. planting row unit, for use with tractor frame, has down pressure energy storage device coupled to cylinder to permit downward movement of **tool** in response to decreased resistance to downward movement of **tool**

Patent Number(s): US2016100517-A1

Inventor(s): BASSETT J D

Patent Assignee Name(s) and Code(s): DAWN EQUIP CO (DAWN-Non-standard)

Derwent Primary Accession Number: 2016-217049 [28]

**Abstract:** NOVELTY - The unit has a hydraulic cylinder (19) containing pressurized hydraulic fluid for applying down pressure and up pressure to a soil-engaging **tool**. An uplift energy storage device is coupled to the cylinder to permit upward movement of the **tool** in response to increased resistance by soil to downward movement of the **tool**, while applying upward movement resisting force. A down pressure energy storage device is coupled to the cylinder to permit downward movement of the **tool** in response to decreased resistance by soil to downward movement of **tool**, while applying downward movement resisting force.

USE - Agricultural row unit i.e. planting row unit, for use with a towing frame of a tractor for farming applications.

ADVANTAGE - The unit provides an integrated cylinder and an accumulator in a convenient single package for effective installation and replacement and minimizes number of hydraulic hoses and adapters or potential leakage points. The unit permits remote down force adjustment of each row-clearing unit to quickly release all down force and allow a row cleaner to rise quickly when approaching a wet spot in the field, thus increasing planter productivity or acres planted per day, and hence improving yields and reducing costs of production. The unit allows an operator to easily select desired **tool**, so that the operator can quickly monitor parameters without a need to slow down or stop the row planting unit or focus prolonged attention on the video display, thus avoiding loss of efficiency, unnecessary distraction and accident. The unit can eliminate spikes from the input signal to reduce potential for excess down force on a **tool** encountering a massive object, thus enhancing life time of the **tool**.

DETAILED DESCRIPTION - The unit is a planting row unit (10). An INDEPENDENT CLAIM is also included for a method for controlling down pressure in an agricultural row unit.

DESCRIPTION OF DRAWING(S) - The drawing shows a side elevational view of a planting row unit with a linkage tilted upwardly to move the row unit to a raised

# Thomson Reuters-Journal Citation Reports

The screenshot shows the Thomson Reuters Journal Citation Reports website. At the top, there is a navigation bar with links for Web of Science™, InCites™, Journal Citation Reports®, Essential Science Indicators™, and EndNote™. On the right side of the navigation bar, there are links for Sign In, Help, and English. Below the navigation bar, the "WEB OF SCIENCE™" logo is displayed on the left, and the Thomson Reuters logo is on the right. A yellow arrow points to the "Journal Citation Reports®" link in the navigation bar. Below the logo, there is a search bar with the text "Example: oil spill\* mediterranean" and a "Search" button. To the right of the search bar, there is a "Topic" dropdown menu and a "Search" button. Below the search bar, there are links for "+ Add Another Field" and "Reset Form". To the right of the search bar, there is a link for "Click here for tips to improve your search." Below the search bar, there is a "TIMESPAN" section with radio buttons for "All years" and "From 1950 to 2016". Below the "TIMESPAN" section, there is a link for "MORE SETTINGS".

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# Thomson Reuters-Journal Citation Reports

The screenshot displays the Thomson Reuters InCites Journal Citation Reports interface. The top navigation bar includes the InCites logo and the Thomson Reuters logo. Below the navigation bar, there are icons for 'Home', a download icon, and a share icon. The main content area is divided into two tabs: 'Journals By Rank' (selected) and 'Categories By Rank'. Under 'Journals By Rank', there is a search bar labeled 'Master Search' and a 'Show Visualization +' button. Below the search bar, there are three buttons: 'Compare Journals', 'View Title Changes' (with a red exclamation mark icon), and 'Select Journals'. Further down, there are buttons for 'Select Categories' and 'Select JCR Year' (set to 2014). At the bottom, there is a 'Select Edition' button. The main table, titled 'Journal Titles Ranked by Impact Factor', has columns for 'Full Journal Title', 'Total Cites', 'Journal Impact Factor', and 'Eigenfactor Score'. The table lists six journals, with the top one being 'CA-A CANCER JOURNAL FOR CLINICIANS'.

		Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
<input type="checkbox"/>	1	CA-A CANCER JOURNAL FOR CLINICIANS	18,594	144.800	0.06273
<input type="checkbox"/>	2	NEW ENGLAND JOURNAL OF MEDICINE	268,652	55.873	0.67634
<input type="checkbox"/>	3	CHEMICAL REVIEWS	137,600	46.568	0.22401
<input type="checkbox"/>	4	LANCET	185,361	45.217	0.39555
<input type="checkbox"/>	5	NATURE REVIEWS DRUG DISCOVERY	23,811	41.908	0.06017
<input type="checkbox"/>	6	NATURE BIOTECHNOLOGY	45,986	41.514	0.14914

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Tip acces: acces la  
conținut, date  
bibliografice și  
bibliometrice

# Thomson Reuters-Journal Citation Reports

## NEW ENGLAND JOURNAL OF MEDICINE

ISSN: 0028-4793

MASSACHUSETTS MEDICAL SOC  
WALTHAM WOODS CENTER, 860 WINTER ST, WALTHAM, MA 02451-1413  
USA

[Go to Journal Table of Contents](#) [Go to Ulrich's](#)

### Titles

ISO: N. Engl. J. Med.  
JCR Abbrev: NEW ENGL J MED

### Categories

MEDICINE, GENERAL &  
INTERNAL - SCIE

### Languages

ENGLISH

52 Issues/Year;

### Key Indicators

Year	Total Cites	Journal Impact Factor	Impact Factor Without Journal Self Cites	5 Year Impact Factor	Immediac Index	Citable Items	Cited Half-Life	Citing Half-Life	Eigenfact Score	Article Influence Score	% Articles in Citable Items	Normalize Eigenfact	Average JIF Percentile
2014	268,652	55.873	55.192	54.390	13.844	353	8.4	5.1					
2013	257,469	54.420	53.682	52.426	14.747	348	8.2	4.7					
2012	245,605	51.658	50.955	50.807	12.667	360	8.0	5.0					
2011	232,068	53.298	52.414	50.075	11.484	349	7.8	4.8					
2010	227,679	53.486	52.774	52.363	10.675	345	7.5	4.7					
2009	216,752	47.050	46.403	51.410	14.557	352	7.5	4.5					
2008	205,750	50.017	49.212	49.911	12.225	356	7.3	4.4					
2007	186,402	52.589	51.667	45.941	11.962	343	7.0	4.6					
2006	177,505	51.296	50.448	Not A...	12.743	303	6.9	4.7					
2005	167,894	44.016	43.131	Not A...	13.422	308	6.9	4.5					
2004	159,498	38.570	37.841	Not A...	10.478	316	6.9	4.6					
2003	152,715	34.833	34.083	Not A...	11.719	366	7.1	4.9					
2002	143,124	31.736	31.013	Not A...	8.138	378	7.2	4.9	Not A...	Not A...	88.10	Not A...	99.533
2001	139,337	29.065	28.408	Not A...	7.571	375	7.2	5.0	Not A...	Not A...	82.13	Not A...	99.554
2000	135,613	29.512	28.807	Not A...	5.821	379	7.1	5.1	Not A...	Not A...	81.79	Not A...	99.524

### Source Data

#### Rank

#### Cited Journal Data

#### Citing Journal Data

#### Box Plot

#### Journal Relationships

### Journal Source Data

	Articles	Citable Items Reviews	Combined	Other
Number in JCR Year 2014 (A)	306	47	353	1,236
Number of References (B)	9,122	2,667	11,789	4,707
Ratio (B/A)	29.8	56.7	33.4	3.8

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All years

From 1950 to 2016

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- SOCIAL SCIENCES
- ARTS HUMANITIES

Refine

Research Areas

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- ENGINEERING

Sort by: Publication Date -- newest to oldest

Page 1 of 10,000

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Usage Count ▾  
By: Gao, Tingting; Chen, Laicheng; Li, Zhiwei; et al.  
NANOSCALE RESEARCH LETTERS Volume: 11 Article Number: 192 Published: APR 12 2016  
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2. **Fluorescence relaxation kinetics of poly(methylphenylsilane) film and nanocomposites**  
Times Cited: 0 (from All Databases)  
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By: Ostapenko, N.; Gulbinas, V.; Augulis, R.; et al.  
NANOSCALE RESEARCH LETTERS Volume: 11 Article Number: 185 Published: APR 12 2016  
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3. **Gd-DTPA Adsorption on Chitosan/Magnetite Nanocomposites.**  
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By: Pylypchuk, Ie V.; Kolodynska, D.; Koziol, M.; et al.  
Nanoscale research letters Volume: 11 Issue: 1 Pages: 168 Published: 2016-Dec (Epub 2016 Mar 31)  
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NANOSCALE RESEARCH LETTERS Volume: 11 Article Number: 161 Published: MAR 22 2016  
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## Fluorescence relaxation kinetics of poly(methylphenylsilane) film and nanocomposites

By: Ostapenko, N (Ostapenko, N.)<sup>[1]</sup>; Gulbinas, V (Gulbinas, V.)<sup>[2]</sup>; Augulis, R (Augulis, R.)<sup>[2]</sup>; Boiko, A (Boiko, A.)<sup>[1,2]</sup>; Chursanova, M (Chursanova, M.)<sup>[3]</sup>; Volkov, A (Volkov, A.)<sup>[3]</sup>; Telbiz, G (Telbiz, G.)<sup>[4]</sup>

### NANOSCALE RESEARCH LETTERS

Volume: 11

Article Number: 185

DOI: 10.1186/s11671-016-1368-y

Published: APR 12 2016

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### Abstract


A comparative study of fluorescence relaxation kinetics of sigma-conjugated poly(methylphenylsilane) (PMPS) polymer film and nanocomposites has been performed by ultrafast time-gated fluorescence measurements at various temperatures. Investigations have revealed a fine structure of excitonic sigma-sigma\* band. We attribute this structure to emission from two spatially independent states with different ordering of the polymer chain segments, type gauche and trans conformations. In contrary to a more ordered polymer poly(di-n-hexylsilane), no clear thermochromic transition has been detected in PMPS film; however, the trans band intensity increases with temperature and with excitation wavelength, but it is absent when polymer is incorporated into nanopores of small diameter.

### Keywords

**KeyWords Plus:** BROAD VISIBLE EMISSION; MESOPOROUS SILICA; EXCITED-STATE; POLYSILANES; POLYMERS; ORIGIN; PHOTOLUMINESCENCE; SPECTRA; ELECTROLUMINESCENCE; DYNAMICS

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