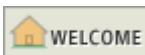


ISI Web of Knowledge<sup>SM</sup>Essential Science Indicators<sup>SM</sup>

## TOP PAPERS FOR TAIWAN IN CHEMISTRY

Sorted by: Citations

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21 - 40 (of 101)



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21 Citations: 178

RESEARCH FRONT

WEB OF SCIENCE

**Title:** PREPARATION AND APPLICATION OF N-HETEROCYCLIC CARBENE COMPLEXES OF AG(I)**Authors:** LIN IJB; VASAM CS**Source:** [COORD CHEM REV](#)  
251 (5-6): 642-670 MAR 2007**Addresses:** [Natl Dong Hwa Univ.](#), Dept Chem, Shoufeng 974, Hualien, [Taiwan.](#)**Field:** [CHEMISTRY](#)

22 Citations: 175

WEB OF SCIENCE

**Title:** BIFUNCTIONAL MAGNETIC SILICA NANOPARTICLES FOR HIGHLY EFFICIENT HUMAN STEM CELL LABELING**Authors:** LU CW; [HUNG Y.](#); [HSIAO JK.](#); [YAO M.](#); CHUNG TH; [LIN YS.](#); [WU SH.](#); [HSU SC.](#); [LIU HM.](#); [MOU CY.](#); [YANG CS.](#); HUANG DM; [CHEN YC](#)**Source:** [NANO LETT](#)  
7 (1): 149-154 JAN 2007**Addresses:** [Natl Hlth Res Inst.](#), Ctr Nanomed Res, 35 Keyan Rd, Miaoli 350, [Taiwan.](#)  
[Natl Hlth Res Inst.](#), Ctr Nanomed Res, Miaoli 350, [Taiwan.](#)  
[Natl Hlth Res Inst.](#), Stem Cell Res Ctr, Miaoli 350, [Taiwan.](#)  
[Natl Taiwan Univ.](#), Dept Chem, Taipei 112, [Taiwan.](#)  
[Natl Taiwan Univ Hosp.](#), Dept Lab Med, Taipei 112, [Taiwan.](#)  
[Natl Taiwan Univ Hosp.](#), Dept Med Imaging, Taipei 112, [Taiwan.](#)  
[Coll Med.](#), Taipei 112, [Taiwan.](#)**Field:** [CHEMISTRY](#)

23 Citations: 170

WEB OF SCIENCE

**Title:** SORPTION STUDIES OF ACID DYE BY MIXED SORBENTS

**Authors:** [HO YS](#); CHIANG CC

**Source:** [ADSORPTION](#)  
7 (2): 139-147 2001

**Addresses:** [Taipei Med Univ](#), Sch Publ Hlth, Taipei, [Taiwan](#),  
Chin Mim Coll, Dept Chem Engn, Miao Li, [Peoples R China](#).

**Field:** [CHEMISTRY](#)

24 Citations: 167 

WEB OF SCIENCE

**Title:** PREPARATIONS, THERMAL PROPERTIES, AND T-G INCREASE  
MECHANISM OF INORGANIC/ORGANIC HYBRID POLYMERS BASED  
ON POLYHEDRAL OLIGOMERIC SILSESQUOXANES

**Authors:** [XU HY](#); [KUO SW](#); [LEE JS](#); [CHANG FC](#)

**Source:** [MACROMOLECULES](#)  
35 (23): 8788-8793 NOV 5 2002

**Addresses:** [Natl Chiao Tung Univ](#), Dept Appl Chem, Hsinchu, [Taiwan](#),  
[Anhui Univ](#), Dept Chem, Hefei 230039, [Peoples R China](#).

**Field:** [CHEMISTRY](#)

25 Citations: 165 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** COINAGE METAL-N-HETEROCYCLIC CARBENE COMPLEXES

**Authors:** LIN JCY; HUANG RTW; [LEE CS](#); [BHATTACHARYYA A](#); [HWANG WS](#);  
LIN IJB

**Source:** [CHEM REV](#)  
109 (8): 3561-3598 AUG 2009

**Addresses:** [Natl Dong Hwa Univ](#), Dept Chem, Hualien 974, [Taiwan](#).

**Field:** [CHEMISTRY](#)

26 Citations: 165 

WEB OF SCIENCE

**Title:** PRINCIPLES GOVERNING MG, CA, AND ZN BINDING AND  
SELECTIVITY IN PROTEINS

**Authors:** DUDEV T; [LIM C](#)

**Source:** [CHEM REV](#)  
103 (3): 773-787 MAR 2003

**Addresses:** [Acad Sinica](#), Inst Biomed Sci, Taipei 11529, [Taiwan](#).  
[Natl Tsing Hua Univ](#), Dept Chem, Hsinchu 300, [Taiwan](#).

**Field:** [CHEMISTRY](#)

27 **Citations:** 163 

WEB OF SCIENCE

**Title:** HYBRID SOLAR CELLS WITH PRESCRIBED NANOSCALE MORPHOLOGIES BASED ON HYPERBRANCHED SEMICONDUCTOR NANOCRYSTALS

**Authors:** GUR I; FROMER NA; [CHEN CP](#); KANARAS AG; [ALIVISATOS AP](#)

**Source:** [NANO LETT](#)  
7 (2): 409-414 FEB 2007

**Addresses:** [Lawrence Berkeley Lab](#), Div Mat Sci, Berkeley, CA 94720 USA.  
[Univ Calif Berkeley](#), Dept Chem, Berkeley, CA 94720 USA.  
[Univ Calif Berkeley](#), Dept Mat Sci & Engr, Berkeley, CA 94720 USA.  
[Ind Technol Res Inst](#), Mat & Chem Res Labs, Hsinchu 30013, [Taiwan](#).

**Field:** [CHEMISTRY](#)

28 **Citations:** 162 

WEB OF SCIENCE

**Title:** METHOTREXATE-MODIFIED SUPERPARAMAGNETIC NANOPARTICLES AND THEIR INTRACELLULAR UPTAKE INTO HUMAN CANCER CELLS

**Authors:** [KOHLER N](#); [SUN C](#); [WANG J](#); [ZHANG MQ](#)

**Source:** [LANGMUIR](#)  
21 (19): 8858-8864 SEP 13 2005

**Addresses:** [Univ Washington](#), Dept Mat Sci & Engr, Seattle, WA 98195 USA.  
ITRI, Union Chem Labs, Hsinchu, [Taiwan](#).

**Field:** [CHEMISTRY](#)

29 **Citations:** 161 

WEB OF SCIENCE

**Title:** SYNTHESIS OF HIGHLY FLUORESCENT GOLD NANOPARTICLES FOR SENSING MERCURY(II)

**Authors:** [HUANG CC](#); [YANG Z](#); [LEE KH](#); [CHANG HT](#)

**Source:** [ANGEW CHEM INT ED](#)  
46 (36): 6824-6828 2007

**Addresses:** [Natl Taiwan Univ](#), Dept Chem, 1 Sect 4 Roosevelt Rd, Taipei 106, [Taiwan](#).  
[Natl Taiwan Univ](#), Dept Chem, Taipei 106, [Taiwan](#).  
[Natl Taitung Univ](#), Dept Nat Sci Educ, Taitung, [Taiwan](#).

**Field:** [CHEMISTRY](#)

30 Citations: 155 

WEB OF SCIENCE

**Title:** ROOM TEMPERATURE IONIC LIQUID AS A NOVEL MEDIUM FOR LIQUID/LIQUID EXTRACTION OF METAL IONS

**Authors:** WEI GT; YANG ZS; [CHEN CJ](#)

**Source:** [ANAL CHIM ACTA](#)  
488 (2): 183-192 JUL 25 2003

**Addresses:** [Natl Chung Cheng Univ](#), Dept Chem & Biochem, 160 San Hsin, Ming Hsiung, Chiayi 621, [Taiwan](#).  
[Natl Chung Cheng Univ](#), Dept Chem & Biochem, Chiayi 621, [Taiwan](#).

**Field:** [CHEMISTRY](#)

31 Citations: 151 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** 1,1,1-TRIS(HYDROXYMETHYL)ETHANE AS A NEW, EFFICIENT, AND VERSATILE TRIPOD LIGAND FOR COPPER-CATALYZED CROSS-COUPLING REACTIONS OF ARYL IODIDES WITH AMIDES, THIOLS, AND PHENOLS

**Authors:** [CHEN YJ](#); [CHEN HH](#)

**Source:** [ORG LETT](#)  
8 (24): 5609-5612 NOV 23 2006

**Addresses:** [Natl Chung Hsing Univ](#), Dept Chem, Taichung 402, [Taiwan](#).

**Field:** [CHEMISTRY](#)

32 Citations: 144 

WEB OF SCIENCE

**Title:** ORGANIC DYES INCORPORATING LOW-BAND-GAP

## CHROMOPHORES FOR DYE-SENSITIZED SOLAR CELLS

**Authors:** VELUSAMY M; [THOMAS KRJ](#); [LIN JT](#); HSU YC; [HO KC](#)

**Source:** [ORG LETT](#)  
7 (10): 1899-1902 MAY 12 2005

**Addresses:** [Acad Sinica](#), Inst Chem, Taipei 115, [Taiwan](#).  
[Natl Taiwan Univ](#), Dept Chem Engr, Taipei 106, [Taiwan](#).

**Field:** [CHEMISTRY](#)

33 Citations: 140 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** POLYMER ELECTRONIC MEMORIES: MATERIALS, DEVICES AND MECHANISMS

**Authors:** LING QD; [LIAW DJ](#); [ZHU CX](#); [CHAN DSH](#); [KANG ET](#); [NEOH KG](#)

**Source:** [PROG POLYM SCI](#)  
33 (10): 917-978 OCT 2008

**Addresses:** [Natl Univ Singapore](#), Dept Chem & Biomol Engr, 10 Kent Ridge Crescent, Singapore 119260, [Singapore](#).  
[Natl Univ Singapore](#), Dept Chem & Biomol Engr, Singapore 119260, [Singapore](#).  
[Natl Taiwan Univ Sci & Technol](#), Dept Chem Engr, Taipei, [Taiwan](#).  
[Natl Univ Singapore](#), Dept Elect & Comp Engr, SNDL, Singapore 119260, [Singapore](#).

**Field:** [CHEMISTRY](#)

34 Citations: 139 

WEB OF SCIENCE

**Title:** IRIIDIUM(III) COMPLEXES WITH ORTHOMETALATED QUINOXALINE LIGANDS: SUBTLE TUNING OF EMISSION TO THE SATURATED RED COLOR

**Authors:** HWANG FM; [CHEN HY](#); [CHEN PS](#); [LIU CS](#); [CHI Y](#); [SHU CF](#); [WU FL](#); [CHOU PT](#); [PENG SM](#); [LEE GH](#)

**Source:** [INORG CHEM](#)  
44 (5): 1344-1353 MAR 7 2005

**Addresses:** [Natl Tsing Hua Univ](#), Dept Chem, Hsinchu 300, [Taiwan](#).  
[Natl Chiao Tung Univ](#), Dept Appl Chem, Hsinchu 300, [Taiwan](#).  
[Natl Taiwan Univ](#), Dept Chem, Taipei 106, [Taiwan](#).  
[Natl Taiwan Univ](#), Instrumentat Ctr, Taipei 106, [Taiwan](#).

**Field:** [CHEMISTRY](#)

35 Citations: 134 

WEB OF SCIENCE

**Title:** SELECTIVE GOLD-NANOPARTICLE-BASED "TURN-ON" FLUORESCENT SENSORS FOR DETECTION OF MERCURY(II) IN AQUEOUS SOLUTION

**Authors:** [HUANG CC](#); [CHANG HT](#)

**Source:** [ANAL CHEM](#)  
78 (24): 8332-8338 DEC 15 2006

**Addresses:** [Natl Taiwan Univ](#), Dept Chem, Taipei 10764, [Taiwan](#).  
[Natl Taitung Univ](#), Dept Nat Sci Educ, Taitung, [Taiwan](#).

**Field:** [CHEMISTRY](#)

36 Citations: 133 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** HIGHLY EFFICIENT LIGHT-HARVESTING RUTHENIUM SENSITIZER FOR THIN-FILM DYE-SENSITIZED SOLAR CELLS

**Authors:** [CHEN CY](#); [WANG MK](#); [LI JY](#); POOTRAKULCHOTE N; ALIBABAEI L; NGOC-LE CH; DECOPPET JD; [TSAI JH](#); GRATZEL C; WU CG; [ZAKEERUDDIN SM](#); [GRATZEL M](#)

**Source:** [ACS NANO](#)  
3 (10): 3103-3109 OCT 2009

**Addresses:** [Natl Cent Univ](#), Dept Chem, Jhongli 32001, [Taiwan](#).  
[Swiss Fed Inst Technol](#), Lab Photon & Interfaces, CH-1015 Lausanne, [Switzerland](#).

**Field:** [CHEMISTRY](#)

37 Citations: 127 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** BLUE-EMITTING HETEROLEPTIC IRIIDIUM(III) COMPLEXES SUITABLE FOR HIGH-EFFICIENCY PHOSPHORESCENT OLEDs

**Authors:** [YANG CH](#); [CHENG YM](#); [CHI Y](#); HSU CJ; [FANG FC](#); [WONG KT](#); [CHOU PT](#); [CHANG CH](#); TSAI MH; [WU CC](#)

**Source:** [ANGEW CHEM INT ED](#)  
46 (14): 2418-2421 2007

**Addresses:** [Natl Tsing Hua Univ.](#), Dept Chem, Hsinchu 300, [Taiwan.](#)  
[Natl Taiwan Univ.](#), Dept Chem, Taipei 106, [Taiwan.](#)  
[Natl Tsing Hua Univ.](#), Dept Elect Engn, Hsinchu 300, [Taiwan.](#)  
[Natl Tsing Hua Univ.](#), Grad Inst Electroopt Engn, Hsinchu 300, [Taiwan.](#)

**Field:** [CHEMISTRY](#)

38 **Citations:** 127 

WEB OF SCIENCE

**Title:** SELF-ASSEMBLY OF AN INTERLACED TRIPLE-STRANDED MOLECULAR BRAID WITH AN UNPRECEDENTED TOPOLOGY THROUGH HYDROGEN-BONDING INTERACTIONS

**Authors:** LUAN XJ; [WANG YY](#); [LIDS](#); [LIU P](#); [HU HM](#); [SHI QZ](#); [PENG SM](#)

**Source:** [ANGEW CHEM INT ED](#)  
44 (25): 3864-3867 2005

**Addresses:** Northwest Univ, Shaanxi Key Lab Physicoinorgan Chem, Dept Chem, Xian 710069, Shaanxi, [Peoples R China.](#)  
[Natl Taiwan Univ.](#), Dept Chem, Taipei 10764, [Taiwan.](#)

**Field:** [CHEMISTRY](#)

39 **Citations:** 125 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** DETECTION OF MERCURY(II) BASED ON HG<sup>2+</sup>-DNA COMPLEXES INDUCING THE AGGREGATION OF GOLD NANOPARTICLES

**Authors:** [LIU CW](#); HSIEH YT; [HUANG CC](#); [LIN ZH](#); [CHANG HT](#)

**Source:** [CHEM COMMUN](#)  
(19): 2242-2244 MAY 21 2008

**Addresses:** [Natl Taiwan Univ.](#), Dept Chem, Taipei 10764, [Taiwan.](#)  
Natl Taitung Univ, Dept Nat Sci Educ, Taitung, [Taiwan.](#)

**Field:** [CHEMISTRY](#)

40 **Citations:** 125 

RESEARCH FRONT

WEB OF SCIENCE

**Title:** A RUTHENIUM COMPLEX WITH SUPERHIGH LIGHT-HARVESTING CAPACITY FOR DYE-SENSITIZED SOLAR CELLS

**Authors:** [CHEN CY](#); [WU SJ](#); WU CG; [CHEN JG](#); [HO KC](#)

**Source:** [ANGEW CHEM INT ED](#)  
45 (35): 5822-5825 2006

**Addresses:** [Natl Cent Univ.](#), Dept Chem, Chungli 32054, **Taiwan.**  
[Natl Taiwan Univ.](#), Dept Chem Engn, Taipei 10617, **Taiwan.**

**Field:** [CHEMISTRY](#)

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