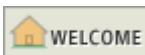


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TOP PAPERS FOR TAIWAN IN CHEMISTRY

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21 Citations: 173

WEB OF SCIENCE

Title: DESIGN AND TAILORING OF THE NANOTUBULAR ARRAYED ARCHITECTURE OF HYDROUS RUO2 FOR NEXT GENERATION SUPERCAPACITORS

Authors: [HU CC](#); [CHANG KH](#); [LIN MC](#); [WU YT](#)

Source: [NANO LETT](#)
6 (12): 2690-2695 DEC 13 2006

Addresses: [Natl Chung Cheng Univ](#), Dept Chem Engn, Lab Electrochem & Adv Mat, 168 Univ Rd, Chiayi 621, [Taiwan](#).
[Natl Chung Cheng Univ](#), Dept Chem Engn, Lab Electrochem & Adv Mat, Chiayi 621, [Taiwan](#).

Field: [CHEMISTRY](#)

22 Citations: 168

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: 168 

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: 161 

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](#)25 Citations: 156 

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](#)26 Citations: 156 

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 & Engn, Seattle, WA 98195 USA.
[ITRI](#), Union Chem Labs, Hsinchu, [Taiwan](#).

Field: [CHEMISTRY](#)

27 Citations: 155 

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 & Engn, Berkeley, CA 94720 USA.
[Ind Technol Res Inst](#), Mat & Chem Res Labs, Hsinchu 30013, [Taiwan](#).

Field: [CHEMISTRY](#)

28 Citations: 153 

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](#)

29 Citations: 153 

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](#)

30 Citations: 146 

RESEARCH FRONT

WEB OF SCIENCE

Title: 1,1,1-TRIS(HYDROXYMETHYL)ETHANE AS A NEW, EFFICIENT, AND VERSATILE TRIPOD LIGAND FOR COPPER-CATALYZED CROSS-COUPPLING 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](#)

31 Citations: 141 

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 Engn, Taipei 106, [Taiwan.](#)

Field: [CHEMISTRY](#)

32 Citations: 135 

WEB OF SCIENCE

Title: IRIDIUM(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](#)

33 Citations: 128 

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

Field: [CHEMISTRY](#)

34 Citations: 127 

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](#)

35 Citations: 126 

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](#); [LI DS](#); [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](#)

36 Citations: 123 

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](#)

37 Citations: 123 

WEB OF SCIENCE

Title: CHARACTERIZATION OF EXCESS ELECTRONS IN WATER-CLUSTER ANIONS BY QUANTUM SIMULATIONS

Authors: TURI L; SHEU WS; [ROSSKY PJ](#)

Source: [SCIENCE](#)
309 (5736): 914-917 AUG 5 2005

Addresses: [Univ Texas](#), Inst Theoret Chem, Dept Chem & Biochem, Austin, TX 78712 USA.
[Lorand Eotvos Univ](#), Dept Chem Phys, H-1518 Budapest, [Hungary](#).
[Fu Jen Catholic Univ](#), Dept Chem, Taipei 242, [Taiwan](#).

Field: [CHEMISTRY](#)

38 **Citations:** 122 

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](#)

39 **Citations:** 121 

RESEARCH FRONT

WEB OF SCIENCE

Title: DETECTION OF MERCURY(II) BASED ON HG²⁺-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:** 118 

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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