

Table 1 Research Potential and Directions of Thailand, Malaysia, Singapore and Vietnam Based on Contributing Institutions, Subject Areas and Title Sources Listed in the ISI Databases from 1 January 2005 to 30 June 2010 (Numbers in Brackets = No. Record Counts)*

Country	Total No. of Publications	Major Contributing Institutions	Major Subject Areas	Major Source Titles
Thailand	25,586	Mahidol Univ (5,624), Chulalongkorn Univ (5,185), Chiang Mai Univ (2,722), Prince Songkla Univ (1,792), Khon Kaen Univ (1,660)	Pharmacology & Pharmacy (1,551), Infectious Diseases (1,282), Public, Environmental & Occupational Health (1,191), Immunology (1,147), Biochemistry & Molecular Biology (1,142)	American Journal of Tropical Medicine and Hygiene (407), Acta Crystallographica Section E (268), Journal of Applied Polymer Science (220), Annals of Nutrition and Metabolism (207), Thai Journal of Veterinary Medicine (195)
Malaysia	17,521	Univ Malaya (4,075), Univ Sains Malaysia (3,639), Univ Putra Malaysia (2,184), Univ Kebangsaan Malaysia (2,184), Multimedia Univ (868)	Crystallography (2,167), Materials Science, Multidisciplinary (962), Engineering, Electrical & Electronic (881), Engineering, Chemical (807), Food Science & Technology (695)	Acta Crystallographica Section E (2,019), Sains Malaysiana (262), Singapore Medical Journal (159), Journal of Hazardous Materials (117), Tropical Biomedicine (106)
Singapore	47,358	Natl Univ Singapore (22,544), Nanyang Technol Univ (13,065), Singapore Gen Hosp (2,263), Natl Univ Singapore Hosp (1,769), ASTAR (1,275)	Engineering, Electrical & Electronic (5,128), Physics, Applied (4,635), Materials Science, Multidisciplinary (4,024), Chemistry, Physical (2,119), Biochemistry & Molecular Biology (2,026)	Applied Physics Letters (1,006), Annals Academy of Medicine Singapore (835), Journal of Applied Physics (622), Lecture Notes in Computer Science (582), Singapore Medical Journal (270)
Vietnam	5,158	Vietnamese Acad Sci & Technol (349), Vietnam Natl Univ (280), Hanoi Univ Technol (216), Natl Inst Hyg & Epidemiol (180), Inst Math (146)	Public, Environmental & Occupational Health (376), Mathematics, Applied (367), Mathematics (346), Infectious Diseases (252), Physics, Condensed Matter (222)	Journal of the Korean Physical Society (93), American Journal of Tropical Medicine and Hygiene (87), Journal of Magnetism and Magnetic Materials (61), Tropical Medicine & International Health (61), Physical Review B (46)

*Derived from the 3 ISI databases (Science Citation Expanded Index – SCI Expanded, Social Sciences Citation Index – SSCI, and Arts and Humanities Citation Index – A & HCI) by Dr. Mongkon Rayanakorn (E-mail: m.rayanakorn@gmail.com) as at 14 July 2010.

Table 2 Research Potential and Directions of Thailand, Malaysia, Singapore and Vietnam Based on Most Cited Publications in 3 ISI Databases from 1 January 2005 to 30 June 2010*

Country	Publications in Science & Health Sciences		Publications in Social Sciences		Publications in Arts & Humanities	
	Record Counts	Most Cited	Record Counts	Most Cited	Record Counts	Most Cited
Thailand	24,932	<p>Title: A haplotype map of the human genome Author(s): Altshuler D, Brooks LD, Chakravarti A, et al. Source: NATURE Volume: 437 Issue: 7063 Pages: 1299-1320 Published: OCT 27 2005 Times Cited: 2,066</p> <p>Title: Erlotinib in previously treated non-small-cell lung cancer Author(s): Shepherd FA, Pereira JR, Ciuleanu T, et al. Source: NEW ENGLAND JOURNAL OF MEDICINE Volume: 353 Issue: 2 Pages: 123-132 Published: JUL 14 2005 Times Cited: 1,381</p> <p>Title: The global distribution of clinical episodes of Plasmodium falciparum malaria Author(s): Snow RW, Guerra CA, Noor AM, et al. Source: NATURE Volume: 434 Issue: 7030 Pages: 214-217 Published: MAR 10 2005 Times Cited: 926</p>	1,397	<p>Title: Naltrexone for the treatment of alcoholism: a meta-analysis of randomized controlled trials Author(s): Srisurapanont M, Jarusuraisin N Source: INTERNATIONAL JOURNAL OF NEUROPSYCHOPHARMACOLOGY Volume: 8 Issue: 2 Pages: 267-280 Published: JUN 2005 Times Cited: 50</p> <p>Title: Scale and cross-scale dynamics: Governance and information in a multilevel world Author(s): Cash DW, Adger WN, Berkes F, et al. Source: ECOLOGY AND SOCIETY Volume: 11 Issue: 2 Article Number: 8 Published: DEC 2006 Times Cited: 48</p> <p>Title: Effect of payments for health care on poverty estimates in 11 countries in Asia: an analysis of household survey data Author(s): van Doorslaer E, O'Donnell O, Rannan-Eliya RP, et al. Source: LANCET Volume: 368 Issue: 9544 Pages: 1357-1364 Published: OCT 14 2006</p>	85	<p>Title: Issues in loanword adaptation: A case study from Thai Author(s): Kenstowicz M, Suchato A Source: LINGUA Volume: 116 Issue: 7 Pages: 921-949 Published: JUL 2006 Times Cited: 9</p> <p>Title: Meditation therapy for anxiety disorders Author(s): Krisanaprakornkit T, Krisanaprakornkit W, Piyavhatkul N, et al. Source: COCHRANE DATABASE OF SYSTEMATIC REVIEWS Issue: 1 Article Number: CD004998 Published: 2006 Times Cited: 9</p> <p>Title: Ancient jades map 3,000 years of prehistoric exchange in Southeast Asia Author(s): Hung HC, Iizuka Y, Bellwood P, et al. Source: PROCEEDINGS OF THE</p>

				Times Cited: 48		NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 104 Issue: 50 Pages: 19745-19750 Published: DEC 11 2007 Times Cited: 5
Malaysia	16,821	<p>Title: Establishment of multiple sublineages of H5N1 influenza virus in Asia: Implications for pandemic control Author(s): Chen H, Smith GJD, Li KS, et al. Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 103 Issue: 8 Pages: 2845-2850 Published: FEB 21 2006 Times Cited: 248</p> <p>Title: Asian-Pacific consensus statement on the management of chronic hepatitis B: a 2005 update Author(s): Liaw YF, Leung N, Guan R, et al. Source: LIVER INTERNATIONAL Volume: 25 Issue: 3 Pages: 472-489 Published: JUN 2005 Times Cited: 188</p> <p>Title: Mycobacterium tuberculosis complex genetic diversity: mining the fourth international spoligotyping database (SpolDB4) for classification, population genetics and epidemiology Author(s): Brudey K, Driscoll JR, Rigouts L, et al. Source: BMC MICROBIOLOGY Volume: 6 Article Number: 23 Published: MAR 23 2006</p>	1,047	<p>Title: National character does not reflect mean personality trait levels in 49 cultures Author(s): Terracciano A, Abdel-Khalek AM, Adam N, et al. Source: SCIENCE Volume: 310 Issue: 5745 Pages: 96-100 Published: OCT 7 2005 Times Cited: 61</p> <p>Title: Critical success factors for implementing knowledge management in small and medium enterprises Author(s): Wong KY Source: INDUSTRIAL MANAGEMENT & DATA SYSTEMS Volume: 105 Issue: 3-4 Pages: 261-279 Published: 2005 Times Cited: 51</p> <p>Title: The 'human revolution' in lowland tropical Southeast Asia: the antiquity and behavior of anatomically modern humans at Niah Cave (Sarawak, Borneo) Author(s): Barker G, Barton H, Bird M, et al. Source: JOURNAL OF HUMAN EVOLUTION Volume: 52 Issue: 3 Pages: 243-261 Published: MAR 2007 Times Cited: 48</p>	117	<p>Title: Ancient jades map 3,000 years of prehistoric exchange in Southeast Asia Author(s): Hung HC, Iizuka Y, Bellwood P, et al. Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 104 Issue: 50 Pages: 19745-19750 Published: DEC 11 2007 Times Cited: 5</p> <p>Title: A resistivity survey of a burial mound in the 'Valley of the Thracian Kings' Author(s): Tonkov N, Loke MH Source: ARCHAEOLOGICAL PROSPECTION Volume: 13 Issue: 2 Pages: 129-136 Published: APR-JUN 2006 Times Cited: 3</p> <p>Title: The end of religion? Re-enchantment and displacement of the sacred Author(s): Lee RLM Source: SOCIAL COMPASS Volume: 55 Issue: 1 Pages: 66-83 Published: MAR 2008</p>

		Times Cited: 172				Times Cited: 2
Singapore	44,160	<p>Title: Erlotinib in previously treated non-small-cell lung cancer Author(s): Shepherd FA, Pereira JR, Ciuleanu T, et al. Source: NEW ENGLAND JOURNAL OF MEDICINE Volume: 353 Issue: 2 Pages: 123-132 Published: JUL 14 2005 Times Cited: 1,381</p> <p>Title: Identification and analysis of functional elements in 1% of the human genome by the ENCODE pilot project Author(s): Birney E, Stamatoyannopoulos JA, Dutta A, et al. Source: NATURE Volume: 447 Issue: 7146 Pages: 799-816 Published: JUN 14 2007 Times Cited: 809</p> <p>Title: General observation of n-type field-effect behaviour in organic semiconductors Author(s): Chua LL, Zaumseil J, Chang JF, et al. Source: NATURE Volume: 434 Issue: 7030 Pages: 194-199 Published: MAR 10 2005 Times Cited: 667</p>	4,390	<p>Title: Behavioral intention formation in knowledge sharing: Examining the roles of extrinsic motivators, social-psychological forces, and organizational climate Author(s): Bock GW, Zmud RW, Kim YG, et al. Source: MIS QUARTERLY Volume: 29 Issue: 1 Pages: 87-111 Published: MAR 2005 Times Cited: 180</p> <p>Title: Social capital, networks, and knowledge transfer Author(s): Inkpen AC, Tsang EWK Source: ACADEMY OF MANAGEMENT REVIEW Volume: 30 Issue: 1 Pages: 146-165 Published: JAN 2005 Times Cited: 169</p> <p>Title: Herb-drug interactions - A literature review Author(s): Hu ZP, Yang XX, Ho PCL, et al. Source: DRUGS Volume: 65 Issue: 9 Pages: 1239-1282 Published: 2005 Times Cited: 146</p>	523	<p>Title: Parsing the resource pie: Using STRTs to measure attention to mediated messages Author(s): Lang A, Bradley SD, Park B, et al. Source: MEDIA PSYCHOLOGY Volume: 8 Issue: 4 Pages: 369-394 Published: 2006 Times Cited: 10</p> <p>Title: The aspectual system of Singapore English and the systemic substratist explanation Author(s): Bao ZM Source: JOURNAL OF LINGUISTICS Volume: 41 Issue: 2 Pages: 237-267 Published: JUL 2005 Times Cited: 9</p> <p>Title: Moore's paradoxes, Evan's principle and self-knowledge Author(s): Williams JN Source: ANALYSIS Volume: 64 Issue: 4 Pages: 348-353 Published: OCT 2004 Times Cited: 8</p>
Vietnam	4,913	<p>Title: Brief report - Oseltamivir resistance during treatment of influenza A (H5N1) infection Author(s): de Jong MD, Thanh TT, Khanh TH, et al. Source: NEW ENGLAND JOURNAL OF MEDICINE Volume: 353 Issue:</p>	428	<p>Title: Avian flu - Isolation of drug-resistant H5N1 virus Author(s): Le QM, Kiso M, Someya K, et al. Source: NATURE Volume: 437 Issue: 7062 Pages: 1108-1108 Published: OCT 20 2005</p>	47	<p>Title: Ancient jades map 3,000 years of prehistoric exchange in Southeast Asia Author(s): Hung HC, Iizuka Y, Bellwood P, et al. Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF</p>

	<p>25 Pages: 2667-2672 Published: DEC 22 2005 Times Cited: 319</p> <p>Title: Worldwide distribution of human papillomavirus types in cytologically normal women in the international Agency for Research on Cancer HPV prevalence surveys: a pooled analysis Author(s): Clifford GM, Gallus S, Herrero R, et al. Source: LANCET Volume: 366 Issue: 9490 Pages: 991-998 Published: SEP 17 2005 Times Cited: 273</p> <p>Title: Avian flu - Isolation of drug-resistant H5N1 virus Author(s): Le QM, Kiso M, Someya K, et al. Source: NATURE Volume: 437 Issue: 7062 Pages: 1108-1108 Published: OCT 20 2005 Times Cited: 269</p>	<p>Times Cited: 269</p> <p>Title: Suicide attempts, plans, and ideation in culturally diverse sites: the WHOSUPRE-MISS community survey Author(s): Bertolote JM, Fleischmann A, De Leo D, et al. Source: PSYCHOLOGICAL MEDICINE Volume: 35 Issue: 10 Pages: 1457-1465 Published: OCT 2005 Times Cited: 44</p> <p>Title: A twin registry study of the relationship between posttraumatic stress disorder and nicotine dependence in men Author(s): Koenen KC, Hitsman B, Lyons MJ, et al. Source: ARCHIVES OF GENERAL PSYCHIATRY Volume: 62 Issue: 11 Pages: 1258-1265 Published: NOV 2005 Times Cited: 42</p>	<p>SCIENCES OF THE UNITED STATES OF AMERICA Volume: 104 Issue: 50 Pages: 19745-19750 Published: DEC 11 2007 Times Cited: 5</p> <p>Title: Capturing the benefits of preserving cultural heritage Author(s): Tuan TH, Navrud S Source: JOURNAL OF CULTURAL HERITAGE Volume: 9 Issue: 3 Pages: 326-337 Published: JUL-SEP 2008 Times Cited: 3</p> <p>Title: The Late Pleistocene Duoi U'Oi cave in northern Vietnam: palaeontology, sedimentology, taphonomy and palaeoenvironments Author(s): Bacon AM, Demeter F, Durringer R, et al. Source: QUATERNARY SCIENCE REVIEWS Volume: 27 Issue: 15-16 Pages: 1627-1654 Published: AUG 2008 Times Cited: 2</p>
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