	J} 890228. 2/28/89	
REQS: 4	J} INITIATIVE.	
	J} OPEN SOURCE PUBLICATION, MILITARY WORLD, DTD N/FEB 89, IN <u>CHINESE</u> .	
AN ARTICLE	J} PRESTIGIOUS PRC MILITARY JOURNAL INCLUDES ON THE MILITARY USE OF TRADITIONAL <u>CHINESE</u> .OGICAL CONCEPTS.	
THE PRC PUE JAN/FEB 198 AND INCREDI VERSION OF	J} THIS REPORT SUMMARIZES AN ARTICLE FROM LICATION "MILITARY WORLD" VOL. 2, NO. 1, A. THI <u>S ARTICLE ENTITLED</u> "THE MYSTERIOUS BLE (<u>UANGUANGJING</u> ", DISCUSSES A <u>CHINESE</u> PARA-PSYCHOLOGICAL PHENOMENA AND <u>TELEPATHY</u> . OF THE ARTICLE IS FOLLOWS.	
IN THE MILT ENEMY MILT AND COMMUNT FIELD EXERC SATELLITES FROM WHICH AND INTENT THROUGH THE MORAL QUALT WHICH WILL THEIR WISDO THE OPERAT DETECTING THE TERRAIN FOR MORE AC CAN HELP TH MAKE ACCURA	AT ARE THE CAPABILITIES OF YUANGUANGJING? TARY FIELD, IT IS CAPABLE OF DETECTING ARY PLANS, WEAPONS AND EQUIPMENT, COMMAND TATION AND INTELLIGENCE INFORMATION SYSTEMS, TSE DISPOSITIONS, TRACKING ARTIFICIAL SPACESHIPS, AIRCRAFT, VEHICLES AND WARSHIPS TO GAIN TIMELY INFORMATION ON ENEMY MOVEMENTS DNS. IT IS ALSO POSSIBLE TO DETECT, HUMAN CONSTITUTION, THE THINKING PROCESSES, TIES AND PHYSICAL CONDITIONS OF THE ENEMY, ENABLE OUR COMMANDERS TO FULLY EXPLOIT 1, THEIR WEAPONS AND EQUIPMENT TO MAXIMIZE DNAL RESULTS. IT IS ALSO CAPABLE OF HE LAW OF OPERATIONS OF THE UNIVERSE, AND WEATHER CONDITIONS OF THE BATTLEFIELD CURATE FORECASTS. IN SHORT, YANGUANGJING E COMMANDERS AND FIGHTERS AT ALL LEVELS TE JUDGEMENTS ON THE BASIS OF TIMELY INFORMATION ON THE ENEMY. IT CAN ALSO HAEOLOGICAL RESEARCH AND BUILDING 4.	
PERSONS TO THE OTHER I THE HIGHER PERSON TO I POSITION TO SPECIALLY S	CAL PERIOD OF OPERATION, IT WILL TAKE TWO DO THE JOB, ONE OPERATING THE "MIRROR"DING THE OBSERVATION. ONCE ENTERINGDING THE OBSERVATION. ONCE ENTERINGDING THE UILL BE POSSIBLE FOR ONEDING THE JOB. HE WILL THEN BE IN THEMAKE EXTENSIVE OBSERVATIONS OF ANYELECTED OBJECT AT WILL AND WITHOUT BEINGBY THE ENEMY.	te in
THE ABOVE S	TUDY ILLUSTRATES THE MATERIAL AND SCIENTIFIC	

QUALITIES OF "YANGUANGJING" WHICH WILL BE OF GREAT VALUE IN MILITARY RECONNAISSANCE. THERE ARE COMPELLING REASONS FOR CHINA TO EXPLOIT SUCH CAPABILITIES AND

e "]

CONFIDENTIAL

Approved For Release 2000/08/11 : CIA-RDP96-00792R000300410018-1

This document is made available through the declassification efforts and research of John Greenewald, Jr., creator of:



The Black Vault is the largest online Freedom of Information Act (FOIA) document clearinghouse in the world. The research efforts here are responsible for the declassification of hundreds of thousands of pages released by the U.S. Government & Military.

Discover the Truth at: http://www.theblackvault.com

of extraordinary human body function are included. Based on systems sciences, he also proposed the theory of functional states of the human body. These theoretical viewpoints have been playing an important directive role in launching fundamental research in the human body sciences.

We consider that, in the future study of the extraordinary functions of the human body in China, special attention should be payed to the integration of the cream of Chinese traditional culture with the principles of modern science and technology, and the integration of qigong and Chinese traditional medical theory with the research on extraordinary function. This approach will bring the research work on the hman body function into the orbit of modern science and technology.

3. Conclusion

Research on the extraordinary function of the human body are of great importance, both theoretically and practically. We firmly believe that there is nothing that cannot be understood in the world; there are only things that have not yet been understood. We are full of confidence as to the prospect of the study of the extraordinary function of the human body in China.

REFERENCES

- 1. Chen Shouliang, He Muyan (Beijing University), "Findings Concerning One Type of Extraordinary Function of the Human Body: Part One," <u>Nature</u> Journal, Vol. 2, p. 715 (1979).
- 2. Xu Xinfang et al. (Anhui Teacher's Normal University), "Observations Concerning the Ear's Ability to Recognize Characters and Distinguish Colors," Nature Journal, Vol. 2, p. 716 (1979).
- 3. He Dahua et al. (Combined Investigation Group of Tazi County, Sichuan Province), "Observations Concerning Tang Yu's ability to Distinguish Colors and Recognize Characters with the Ear," <u>Nature Journal</u>, Vol. 2, p. 780 (1979).
- 4. Chen Shouliang et al., "The Decline and Restoration of Jiang Yan's Extraordinary Body Function," <u>Nature Journal</u>, Vol. 2, p. 781 (1979).
- 5. Zian Xuesen, "Basic Research for Developing the Sciences of the Human Body," <u>Nature Journal</u>, Vol. 4, p. 483 (1961).
- 6. He Chongyin (Nature <u>Journal</u> Publishing), "Extraordinary Function of the Human Body," <u>Nature Journal</u>, Vol. 4, p. 483 (1961).
- 7. Combined Experimentation Group on Extraordinary Function of the Human Body, "Combined Experiment Report Concerning the Validity of Certain Extraordinary Functions of the Human Body," (1982), forthcoming.

Approved For Release 2000/08/FIC READP96-00792R000300410018-1

- 8. Chen Shouliang et al., "The Question of the Prevalence of Extraordinary Human Body Functions," <u>Nature Journal</u>, Vol. 3, p. 334 (1980).
- 9. He Muyan et al., "Further Discussion on the Question of the Prevalence of Extraordinary Human Body Functions," <u>Nature Journal</u>, Vol. 3, p. 683 (1980).
- 10. Study Group of Yunnan University of Extraordinary Human Body Function, "Initial Experiments on the Mechanics Effect of Extraordinary Human Body Function," <u>Nature Journal</u>, Vol. 4, p. 348 (1981).
- 11. Lin Shuhuang, Zhang Zhongqi (Beijing Teacher's Normal College) et al., "Some Laboratory Tests on the Extraordinary Human Body Function of Moving Objects," <u>Nature Journal</u>, Vol. 4, p. 652 (1981).
- 12. Zhao Yongjie, Xu Hongzhang et al. (High-Energy-Physics Institute of the Chinese Academy of Sciences), "Laboratory Tests on the Study of the Physics of Human Body Radiation with Biological Detectors," <u>Nature</u> Journal, Vol. 4, p. 602 (1981).
- 13. Zhao, Yongjie et al., "Using the Quantum Number System to Capture the <u>'Fagong'</u> radiation of Qigong and (other) Extraordinary Functions," Electronics Science and Technology, No. 7, p. 6 (1981).
- 14. Zheng Tianmin, Zhu Nianlin; Luo Xin (Yunnan University), Li Hongyi (Wuhan University) et al., "Unusual Phenomena of Extraordinary Human Body Function upon Photosensitive Dectors," <u>Nature Journal</u>, Vol. 4, p. 563 (1981).
- 15. Lin Shuhuang et al., "Magnetism and Extraordinary Function of the Human Body," <u>Nature Journal</u>, Vol. 4, p. 114 (1981).
- 16. Wang Shengli et al. (Shanghai Institute for Laser Technology), "Laboratory Tests on the Non-Visual Recognition of the Color Spectrum," Nature Journal, Vol. 3, p. 336 (1980).
- 17. Fang Xiaoren, Liu Yicheng et. al. (Physics Institute of the Chinese Academny of Sciences), "The Initial Determination of Extraordinary Human Body Function Subjects in regards to their Ability to Perceive Non-Visible Light," Nature Journal, Vol. 4, p. 895 (1981).
- 18. Zhang Zuqi et al. (Beijing University), "One Example of the Extraordinary Human Body Function of Direction Recognition," <u>Nature</u> <u>Journal</u>, Vol. 3, p. 741 (1980).
- 19. Zhang Zuqi et al. (Beijing University), "One Example of the Extraordinary Human Body Function of Direction Recognition: Part Two," <u>Nature Journal</u>, Vol. 4, p. 292 (1981).

Approved For Release 2000/08/11-CHAERDP96-00792R000300410018-1

- 20. Yang Jianhua (Biophysics Institute of the Chinese Academy of Sciences), "The Study of the Special Characteristics of the Body's Perception of Light at Specific Transmission Intensities," <u>Nature Journal</u>, Vol. 4, p. 897 (1981).
- 21. Liu Yicheng et. al., "Initial Observations on the Ability to Perceive Special Optical Phenomena with Non-Visual Seeing," <u>Nature Journal</u>, Vol. 4, p. 900 (1981).
- 22. Zhang Yuzhi (Biophysics Institute) et al., "Response Sensitivity of the Human Body's Non-visual Seeing to Four Different Wavelengths of Light," Nature Journal, Vol. 4, p. 104 (1982).
- 23. Wang Chu et al. (Beijing University), "The Process of Unscrambling Patterns," Nature Journal, Vol. 3, p. 438 (1980).
- 24. Chen Yi et al. (Changchun College for Traditional Chinese Medicine), "Results of Initial Laboratory Tests on the Ability of the Human Body to Enlarge Objects," <u>Nature Journal</u>, Vol. 4, p. 185 (1981).
- 25. Luo Ling-r et al (Beijing University), "The Process of Distinguishing Multi-layered Overlapping Objects with Extraordinary Human Body Function" <u>Nature Journal</u>, Vol. 4, p. 291 (1981).
- 26. Shao Shaoyuan et al. (Beijing University), "The Process of Unscrambing for Recognition by Extraordinary Human Body Function of Patterns on Folded and Rolled Paper," Nature Journal, Vol. 5, p. 274 (1982).
- 27. Ye Ziquan (Biophysics Institute of the Chinese Academy of Sciences), "The Human Body's Recognition of Non-Visible Patterns," <u>Nature Journal</u>, Vol. 5, p. 276 (1982).
- 28. Chen Taoqiu (No. 6 Factory for Radio Electronics, Liaoyuan City), "Verification and Exploration of Remote Mind-Reading," <u>Nature Journal</u>, Vol. 4, p. 756 (1981).
- 29. Qian Xuesen, "The Systematic Sciences, the Neuro Sciences and the Sciences of the Human Body," <u>Nature Journal</u>, Vol. 4, p. 3 (1981).

SECRET

Approved For Release 2000/08/11 : CIA-RDP96-00792R000300410018-1

Zha-McConnell: 09-Jun-90 Parapsychology in the People's Republic of China

page 16

2. Targets must be sealed using tamper-proof methods--"irreversible" is the Chinese term.

3. There must be continuous, on-site, multi-angle observation by experimenters or by video tape.

These requirements have led researchers to believe that their reported results are real, and that the effect is PK acting on the target. When the use of modern instruments becomes unavoidable, it is believed that the experimental protocol must be arranged so that the subject is away from the instruments and without knowledge of when or how the surveillance and analysis of targets is performed.

4. Psi as a personally developable skill

It is assumed as a matter of course in P.R.C. that psychic ability, as well as other benefits, can be developed through the practice of qigong. In the West, by contrast, the serious literature largely ignores training and stresses conditions at the time of the experiment.

5. Areas not studied

Although investigations of apparitions, poltergeists, hauntings, and survival of death (including mediumship, channeling, and reincarnation) are not formally banned in P.R.C., these topics are often considered to be sensitive, and thus are not reported as being formally studied because of concern about their ideological inappropriateness under the compelling guidelines of Marxist materialism. Moreover, researchers are comparatively ignorant concerning these psychic research topics. Some experimenters briefly investigated such areas earlier, but soon became targets for attack by Mr. Yu Guangyuan and others. It seems that no one has mentioned these topics openly since then.

References¹²

Ao Dalun (1986). Realities and the myths around us. Qigong Yu Kexue (Qigong and Science), No. 3.

Chai Jianyu, & Zhao Yong (1981). A preliminary detection of interactions between the extraordinary function of the human body and matter. Ziran Zazhi (Nature Journal) 4, 892-894, 936.

- Chen Hsin, & Mei Lei (1983). Study of the extraordinary function of the human body in China. In W. G. Roll, J. Beloff, & R. A. White (Eds.), *Research in Parapsychology 1982* (pp. 278-282). Metuchen, New Jersey: The Scarecrow Press. (In English.)
- Chen Yi, Li Chunpu, Hao Shucheng, Cheng Shaoen, Yan Hongcheng, Li Shoucheng, Liu Xingde, Qi Yuhua, Feng Chunfeng, Zhang Tianhua, Guan Tonglin, Wang-Zhiliang, Gao Feng, Gao Chuncheng, Wang Zheyue, Yue
 - Peizhi, & Lu Fengqin (1981). Preliminary results of human magnifying function. Ziran Zazhi (Nature Journal), 4,185-186.
- Cheng Shouliang, He Muyan, Wang Chu, Zheng Lemin, Zhao Shaoyuan, Zhang Zuqi, Liu Zhaoqian, & Wu Baogang (1979). Preliminary report on a special inductive function in the human body (II): The generality question. Ziran Zazhi (Nature Journal), 2, 334-335.

Combined Committee for EFHB Tests (1983). Report on tests of the authenticity of EFHB. Renti Teyigongneng Yanjiu (EFHB Research), 1, 9-22.

- Dong, P. (1984). The Four Major Mysteries of Mainland China. Englewood Cliffs, New Jersey: Prentice-Hall. (In English.)
- EFHB Research Group of Yunnan University (1981). Preliminary measurements of EFHB mechanical effect. Ziran Zazhi (Nature Journal), 4, 347-350.

¹²In the P.R.C. authoritative statements about sensitive topics frequently appear in serial publications of restricted circulation. Later, these statements may be quoted or paraphrased in an unrestricted journal and, in this way, become available for quotation in writings intended for foreign publication. In China, papers abstracted in another journal keep their original titles unless otherwise indicated. In the present list, references are in Chinese unless notated "(In English)". The reader will notice the absence of Chinese research papers in foreign journals. Such papers would require official approval before submission, and, for the present, such approval is not likely to be forthcoming.

Zha-McConnell: 09-Jun-90 Parapsychology in

page 17

Feng Junjun (1988, October 12). The First International Qigong Convention. Renmin Ribao (People's Daily) (mainland edition), p.2.

- Feng Junjun (1989, November 18). World Medical Qigong Institute born in Beijing. Renmin Ribao (People's Daily) (overseas edition), p. 4.
- He Muyan, Shao Shaoyuan, Zhang Zuqi, Luo Liner, Chen Shouliang, Wang Chu, Liu Zhaoqian, & Wu Baogang (1980). Further study on the wide occurrence of the special inductive function of the human body. Ziran Zazhi (Nature Journal), 3, 683, 674.

Honorton, C. (1982). Parapsychology and the mind-body problem. In R. A. McConnell (Ed.), *Encounters with Parapsychology* (pp. 146-154). Pittsburgh, Pennsylvania: R. A. McConnell. (In English.)

Hsin Ping (1975). The rampancy of parapsychology and the decline of the superpowers. Scientia Sinica, 18(4), 573-580. (In English.)

Hu Yaobang (1982). An instruction about the EFHB question. Renti Teyigongneng Tongxun (EFHB Bulletin), No. 24 & 25, 1.

Huang Hue, Wang Guoshen, & Wei Ming (1989, October 29). A profile of the two qigong conventions. Zhongguo Tiyu Bao (China Sports News), pp. 1, 3.

Huo Yaohua (1987). Qigong miracles and research developments. Kexue Zhiyou (Your Scientific Friends' Magazine), 1987, No. 12. [From Xinhua Wenzhai (New China Digest), 1988, No. 2, 172-175]

Jen, C.K. (1983). Some demonstrations on extraocular image in China. In R.A. McConnell (Ed.), Parapsychology and Self-Deception in Science (pp. 5-17). Pittsburgh, Pennsylvania: R. A. McConnell. (In English.)

Kurtz, P. (1988). Testing psi claims in China. Skeptical Inquirer, 12, 364-375. (In English.)

- Li Shengping (1988). New budding in Qigong research. In Qian Cheng & Zhou Xin (Eds.), Yan Xin and Qigong (pp. 308-323). Beijing: Worker's Press.
- Li Shengping, Meng Guirong, Sun Mengyan, Chui Yuanhao, An Shixian, &Yan Xin (1988). Experimental study on the effect of qigong emission on the molecular structure of matter at a distance of 2,000 km. Ziran Zazhi (Nature Journal), 11, 770-775.
- Lin Shuhuang, Zhang Congqi, Liu Huiyi, Huang Yuchun, Zhou Binghui, Zhang Hansin, Shen Xianjia, Dong Zhengwu, Ding Shiyin, Zhang Xuekai, Chen Fang, & Zhuang Zhexiang (1981). Some experiments on the transfer of objects performed by the "unusual functions of the human body." Ziran Zazhi (Nature Journal), 4, 652-661.

Lin Shuhuang, Zhou Binghui, Liu Huiyi, Huang Yuchun, Zhang Hansin, Rao Anli, Liu Guonan, Lin Lin, Liu Yicheng, Yang Jianhua, Sun Zhexian, He Qingnian, Zhao Yijun, Zhang Ming, Ding Yizhong, Zhang Yu, Zhuang Ding, Li Zhichao, & Ding Shiyin (1983). PK experiments: Objects moved into or out from sealed containers. *Renti Teyigongneng Yanjiu (EFHB Research)*, 1, 110-118.

Lu Zuying, Zhao Nanming, Li Shengping, Zheng Changxue, & Yan Xin (1987). Observations on qi emission effects on the structure and properties of some substances. Shengwu Wuli Xuebao (Acta Biophysica Sinica), 3, 93-94.

McConnell, R. A. (1983). Introduction to Parapsychology in the Context of Science. Pittsburgh, Pennsylvania: author. (In English.)

McConnell, R. A., (Ed.) (1987). Parapsychology in Retrospect: My Search for the Unicorn. Pittsburgh, Pennsylvania: editor. (In English.)

Nature Journal editorial report (1980). Comrade Qian Xuesen's visit to our journal. Ziran Zazhi (Nature Journal), 3, 587.

Pang Youzhong & Chen Guangman (1986). Yan Xin, doctor of traditional Chinese medicine, treats patients from afar. Guangming Ribao (Guangming Daily), November 18.

Popper, Karl., & Eccles, J. C. (1977). The Self and its Brain: An Argument for Interactionism. New York: Springer International. (In English.)

Puthoff, H. E. (1983). Report on investigations into "Exceptional Human Body Function" in the People's Republic of China. In W. G. Roll, J. Beloff, & R. A. White (Eds.), *Research in Parapsychology 1982* (pp. 275-278). Metuchen, New Jersey: Scarecrow Press. (In English.)

Qigong (1989). Unsigned news item, 10(5), 228.

Qigong and Science (1988). Unsigned news item. No. 1, page 4.

Qian Cheng & Zhou Xin (1988). Editorial comment in Yan Xin and Qigong (pp. 283-284). Beijing: Workers' Press.

Qian Xuesen (1981). Launching the fundamental researches of human body science. Ziran Zazhi (Nature Journal), 4, 483-488.

Qian Xuesen (1983). Is it an unborn scientific revolution? Renti Teyigongneng Yanjiu (EFHB Research), 1, 3-8.

Qian Xuesen & Chen Hsin (1988). Somatic science is a big branch of science in the modern system of science and technology. Ziran Zazhi (Nature Journal), 11, 331-338.

Qiu Weinan (1988). Receiving qigong treatment while listening to Yan Xin's lectures. In Qian Cheng & Zhou Xin (Eds.), Yan Xin and Qigong (p. 241). Beijing: Workers' Press.

Sperry, Roger (1983). Science and Moral Priority: Merging Mind, Brain, and Human Values. New York: Columbia University Press. (In English.)

Teng, L. C. (1981). Letter to the editor. Journal of the Society for Psychical Research, 51, 181-183. (In English.)

Truzzi, Marcello (1982). Chinese parapsychology: A bibliography of English language items, Part I. Zetetic Scholar, No. 10, 143-145. (In English.)

Zha-McConnell: 09-Jun-90

Truzzi, Marcello (1985). China's psychic savants. Omni, January 1985, pp. 62, 64, 66, 78, 79.

Truzzi, Marcello (1987). Chinese parapsychology: A bibliography of English language items. Part II. Zetetic Scholar, No. 12/13, 58-60. (In English.)

Wang Jin & Gu Chunjiang (1988). Qigong's theory and practice--a Yan Xin lecture in Central Party School. Yan Xin and Qigong, pp. 71-151. Beijing: Workers' Press.

Yan Xin, Li Shengping, Liu Chonghui, Hu Jingui, Mao Shanhong, & Lu Zuying (1988). The disproportionation of CO and H₂ mixture induced by qigong. Ziran Zazhi (Nature Journal), 11, 651-652.

Yan Xin, Li Shengping, Yang Zengjia, & Lu Zuying (1988). The substitution of n-hexane by bromine induced by qigong. Ziran Zazhi (Nature Journal), 11, 653-655.

Yan Xin, Li Shengping, Yu Jianyuan, Li Baike, & Lu Zuying (1988). The effect of qigong on the Raman spectra of tap water, saline and glucose solution. Ziran Zazhi (Nature Journal), 11, 567-571.

Yan Xin, Lu Zuying, An Shixian, & Li Shengping (1988). The effect of qigong on the polarization plane of a laser beam. Ziran Zazhi (Nature Journal), 11, 563-566.

Yan Xin, Lu Zuying, Zhang Tianbao, Wang Haidong, & Zhu Yunsheng, (1988). The effect of qigong on the counting rate of ²⁴¹Am radioactivity. Ziran Zazhi (Nature Journal), 11, 809-812.

Yan Xin, Zhao Nanming, Yi Changcheng, & Lu Zuying (1988). The influences of qigong on the phase behaviors of liposome and liquid crystal. Ziran Zazhi (Nature Journal), 11, 572-573, 566.

Yan Xin, Zheng Changxue, Zhou Guangye, Lu Zuying (1988). The hyperchromic effects on nucleic acid solutions induced by qigong. Ziran Zazhi (Nature Journal), 11, 647-649.

Yang Jixiang, Song Dianzhang, Liu Tiegang, & Wang Yuzhi (1988). Letters from patients on Yan Xin's qigong curing effects. Yan Xin and Qigong, pp.232-240. Beijing: Workers' Press.

Yi Yao (1987). Somatic science, the wave of the future? Liao Wong (Prospects Weekly), 1987, Nos. 48 and 49. [From Xinhua Wenzhai (New China Digest), 1988, No. 2, 169-173].

You Xiliang & Li Guojing (1988). Yan Xin on the qigong as a science. In Qian Cheng & Zhou Xin (Eds.), Yan Xin and Qigong (pp.152-200). Beijing: Workers' Press.

Yu Guangyuan (1982a). Psi and its variant--the extraordinary functions of the human body. Zhongguo Shehui Kexue (China Social Sciences), No.2, 31-45.

Yu Guangyuan (1982b). An important matter to China philosophical front in 1981. Zhongguo Dabaike Quanshu, (1982 Chinese Philosophical Almanac). Beijing: China Encyclopedia Press.

Yu Qingtian & Shu Kuoshan (1989, August 5). News item in Renmin Ribao (People's Daily) (mainland edition), p. 1.

Zhao Yongjie, Xu Hongzhang, Shen Jing, & Zheng Zhipeng (1983). Photo-multiplier detector experiments on human body radiation. Renti Teyigongneng Yanjiu (EFHB Research), 1, 154-156.

Zhi Nan (1986). News item in Qigong, 7(3), 100.

Zhu Zongxiang (1986). The advances and prospect in physiological and biophysical approaches to the acupuncture meridian system. Ziran Zazhi (Nature Journal), 9, 327-332.

Zhu Zongxiang, Xu Ruimin, Zhou Gang, Le Soyu, Yu Shuzhuan, Xie Junguo, & Wang Detian (1986). A study on the low impedance characteristics of the meridian lines before and after amputation. Ziran Zazhi (Nature Journal), 9, 281-287.

Department of Physics and Astronomy University of Pittsburgh Pittsburgh, Pennsylvania 15260 Computer Engineering Center Carnegie Mellon Research Institute Carnegie Mellon University Pittsburgh, Pennsylvania 15213