(A) SCI Journal Papers: C. - L. Cheng (1996-) * Corresponding author (June 2020 updated)


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(B) Book Chapter:


(C) Patent:
1. 趙瑞益、陳清漂、鄭嘉良, 包含奈米鑽石載體、藥物及其製備的方法和用途, 中華明國 I-414309 號專利, 2013/11/11~2029/7/12 (Nov 12, 2013)

(D) International Conference:
with light and bioapplications of gold- and gold-shell nanoparticles. 15th International Conference "Laser Applications in Life Sciences" LALS2019, 18-20 Nov 2018, Ramat-Gan, Israel (Invited talk)


18. Yu-Chung Lin1, Elena Perevedentseva1, Zhe-Rui Lin1, Christoph E. Nebel2, Giorgio Speranza3 Artashes Karmenyan1, Chia-Liang Cheng*1, Nanodiamond–gold core shell nanoparticles for bio-imaging applications, NDNC 2018, 05/20-05/24 2018, Flagstaff, Arizona USA (Oral)


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imaging in the microorganism in vivo. Hasselt Diamond Workshop 2012 SBDD XVII, March 14-16, 2012 Hasselt, Belgium, 44. (Oral)


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82. C.-L. Cheng\textsuperscript{*}, On the bio/medical applications of nanodiamond, National Seminar on Physics of Materials and Materials Based Device Fabrication (NSPM-MDF-2011), Shivaji University, Kolhapur, India, 17-18 February, 2011. \textit{(Invited talk)}

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101. A. Chatterjee¹*, E. Perevedentseva¹², C.-Y. Cheng¹, C.-L. Cheng¹, Interaction of ultrafine nanodiamond with bacteria E. coli, Nov. 310-Dec.4, 2009, MRS Annual meeting, Boston USA.


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(E) Domestic Conferences:


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44. CY Lee, SF Huang, JY Lin, CY Cheng, TH Su, YS Ye, E. Perevedentseva, A. Chatterjee, CL Cheng, The first defense line of immune system: macrophage and its interaction with nanodiamond. 28th Symposium on Spectroscopic Technologies and Surface Sciences, 14-16 July 2010, Nantou, Taiwan, p.38.

45. L.W. Tsai, Y.C. Lin, E. Perevedentseva, A. Priezzhev, A. Lugovtsov, A. Karmenyan, C.L. Cheng, Oxygenation and deoxygenation states of red blood cells interacting with nanodiamond at different concentration. 28th Symposium on Spectroscopic Technologies and Surface Sciences, 14-16 July 2010, Nantou, Taiwan, p.39.

46. CY Cai, NN Melnik, FY Su, E. Perevedentseva, MA Kazaryan, CL Cheng Effect of protein adsorption on nanodiamonds size-dependent luminescence, 28th Symposium on Spectroscopic Technologies and Surface Sciences, 14-16 July 2010, Nantou, Taiwan, 40.


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57. Huan-Cheng Chang(張煥正), Chia-Liang Cheng(鄭嘉良), “奈米鑽石及複合奈米碳粒子的開發與生物應用”，台灣奈米科技展 (10-7~9, 2009, poster)

70. Z.-C. Hong(洪子奇), E. Perevedentseva, S. Treschev, Y. - H. Cai(蔡易宏), C.-L. Cheng(鄭嘉良)*, "Using nano-structured silver photoreduced from AgNO3 by visible-light activated TiO2 as SERS-active substrate for observing the surface enhanced Raman scattering from nanodiamond powder", 中華民國物理學會 2008 年年會 (01-28~30, 2008, poster)


82. Y. - H. He, E. Perevedentseva, C. - L. Cheng, “Nanoparticle induced surface enhanced Raman spectroscopy of nano-diamond prepared by ion sputtering and chemical vapor deposition methods”, 中華民國物理學會 2006 年年會 (01-16–18, 2006, poster).


106. C.-L. Cheng*, C.-T. Chia, C.-C. Chiu, C.-C. Wu, I.-N. Lin, "In-situ Raman spectroscopic studies on thermal annealing and hydrogen effects on diamond like carbons ", 18th Symposium on Spectroscopy and Surface Sciences, Taiwan. (07-21~24-2000, oral presentation).


(F) 研究計畫：

1. 國科會 98 年度、「具功能導向的奈米鑽石與生物分子或藥物複合體的製備、分析、操控及生物系統應用(2/3)」，NSC-98-2120-M-259-001，計畫主持人。(奈米國家計畫)
2. 國科會 98 年度、「奈米材料粒子對紅血球的微流動特性及血液流動力學的影響研究(2/3)」，NSC-97-2923-M-259-001-MY3，計畫主持人。
3. 國科會 97 年度、「具功能導向的奈米鑽石與生物分子或藥物複合體的製備、分析、操控及生物系統應用(1/3)」，NSC-97-2120-M-259-002，計畫主持人。(奈米國家計畫)
4. 國科會 97 年度、「奈米材料粒子對紅血球的微流動特性及血液流動力學的影響研究(1/3)」，NSC-97-2923-M-259-001，計畫主持人。
5. 國科會 96 年度、「生物分子在奈米粒子上的固定：基礎與應用研究 (3/3)」，NSC-96-2119-M-259-005，計畫主持人。
6. 國科會 96 年度、「奈米鑽石-蛋白質複合體之開發、操作與生物醫學之應用(3/3)」，NSC-96-2120-M-259-002，計畫主持人。(奈米國家計畫)
7. 國科會 95 年度、「生物分子在奈米粒子上的固定：基礎與應用研究 (2/3)」，NSC-95-2112-M-259-007，計畫主持人。
8. 國科會 95 年度、「奈米鑽石-蛋白質複合體之開發、操作與生物醫學之應用(2/3)」，NSC-95-2112-M-259-002，計畫主持人。(奈米國家計畫)
9. 國科會 94 年度、「生物分子在奈米粒子上的固定：基礎與應用研究 (1/3)」，NSC-94-2120-M-259-013，計畫主持人。
10. 國科會 94 年度、「奈米鑽石-蛋白質複合體之開發、操作與生物醫學之應用(1/3)」，NSC-94-2120-M-259-002，計畫主持人。(奈米國家計畫)
11. 國科會 93 年度、「奈米鑽石光譜研究(2/2)」，NSC-93-2112-M-259-005，計畫主持人。
12. 國科會 92 年度、「奈米鑽石光譜研究(1/2)」，NSC-92-2112-M-259-012，計畫主持人。
13. 國科會 91 年度、「由碳素成之奈米尺度材料研究」，NSC-91-2112-M-259-010，計畫主持人。
14. 國科會 91 年度、「奈米結構的硼碳氮材料系統之單層及多層膜-子計畫二：奈米結構單層及多層膜的硼碳氮材料之熱穩定性研究」，NSC-91-2216-E-259-008，計畫主持人。
15. 國科會 90 年度、「星際奈米鑽石: 實驗光譜分析對天文尚未定義之紅外發射頻譜之應用與研究(中法國合計畫)」，NSC-90-2113-M-001-082，計畫共同主持人。
16. 國科會 90 年度、「氮化硼材料之光譜研究(II)」，NSC-90-2112-M-259-019，計畫主持人。
17. 國科會 89 學年度、「氮化硼材料之光譜研究 (I)」，NSC-89-2112-M-259-012，計畫主持人。
18. 國科會 89 學年度、「類鑽石薄膜及奈米鑽石的臨場電子場發射研究」，NSC-91-2122-M-259-006，計畫主持人。
19. 國科會 88 學年度、「氫原子與類鑽石薄膜材料反應之光譜研究 (II)」，NSC-88-2112-M-259-003，計畫主持人。
20. 國科會 87 學年度、「氫原子與類鑽石薄膜材料反應之光譜研究 (I)」，NSC-87-2112-M-003-013，計畫主持人。

(E) 指導大專生參與國科會「大學部學生專題研究計畫」

1. 國科會 97 年度大專生參與專題研究計畫計畫主持人，「利用光譜學分析官能基化奈米鑽石-生物分子/藥物複合體，邱鈺中」，NSC-97-2815-C-259-002-M，計畫主持人(研究報告獲選全國前 6 名)
2. 國科會 96 年度大專生參與專題研究計畫計畫主持人，「摻雜奈米碳管對氧化鋅的相變效果，王家彬」，NSC-96-2815-C-259-004-M，計畫主持人(研究報告獲選全國前 6 名)
3. 國科會 95 年度大專生參與專題研究計畫計畫主持人，「利用傅立葉轉換紅外線光譜學研究並分析經官能基化奈米鑽石表面上 C=O 鍵結之紅外線吸收光譜與奈米粒徑的關係，洪銘賢」，NSC-95-2815-C-259-012-M，計畫主持人。(研究報告獲選全國前 6 名)
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