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現職

- 高雄醫學大學牙醫學系 教授 2016/08 ~

學歷

- 高雄醫學大學 牙醫學系學士 1973/09 - 1979/06
- 日本九州齒科大學 齒學研究科保存學第1博士 1984/04 - 1988/03

經歷

- 高雄醫學大學牙醫學系 教授 2016/08 ~
- 高雄醫學大學牙醫學系 副教授 2009/08 - 2016/07
- 日本九州齒科大學保存學第1講座 講師 2003/01 - 2009/07
- 日本九州齒科大學保存學第1講座 助教 1988/04 - 2002/12

研究專長及領域

- 牙體復形學
- 牙體形態學

- 牙科材料學
- 牙科黏著

著作目錄

期刊論文

(依年度排序·最新的排前面)* 通訊作者

1. Je-Kang Du, Chih-Yeh Chao, Kuan-Yu Chiu, Yen-Hao Chang, Ker-Kong Chen*, Ju-Hui Wu* and Juyn-Nan Wu: Antibacterial Properties and Corrosion Resistance of the Newly Developed Biomaterial, Ti-12Nb-1Ag Alloy. *Metals*, 2017, 7(12), 566.
2. Ker-Kong Chen, Nao-Aki Noda*, Kiyoshi Tajima, Yoshikazu Sano and Yasushi Takase: Intensity of singular stress fields of wedge-shaped defect in human tooth due to occlusal force before and after restoration with composite resins. *Proc IMechE Part H: J Engineering in Medicine*, 1-16: 2017.
3. Ting-Hsun Lan, Chau-Hsiang Wang, Ker-Kong Chen, Moo-Chin Wang*, Huey-Er Lee*: Milling properties of low temperature sintered zirconia blocks for dental use. *Materials Science and Engineering: C*, 73(2017) 692-699.
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5. Yu-Chuan Tseng, Kun-Jung Hsu, Ker-Kong Chen, Ju-Hui Wu*, and Chun-Ming Chen*: Relationship between Frontal Gap and Postoperative Stability in the Treatment of Mandibular Prognathism. *BioMed Research International*, Volume 2016, Article ID 7046361, 5 pages. <http://dx.doi.org/10.1155/2016/7046361>.
6. Hsueh-Liang Chu, Weng-Sing Hwang, Je-Kang Du, Ker-Kong Chen*, Moo-Chin Wang*: Study of crystallization behavior and kinetics of $ZrO_2-3Y_2O_3-xSrO$ ($1 \leq x \leq 3$) precursor powders using an isothermal process. *Ceramics International*, 2016 ,42(13):15041-15048.
7. Ker-Kong Chen, Chau-Hsiang Wang, Shin-I Wei, Je-Kang Du*: Effect of different acidities of electrolysed water on dentin surface roughness, decalcification and microhardness—a preliminary study. *Dental Materials Journal*. 2016;35(5):803-809.
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9. Sophie S-W. Wang, Kenly Wuputra, Chung-Jung Liu, Yin-Chu Lin, Yi-Ting Chen, Chee-Yin Chai, Chen-Lung Steve Lin, Kung-Kai Kuo, Ming-Ho Tsai, Shin-Wei Wang, Ker-Kong Chen,

Hiroyuki Miyoshi, Yukio Nakamura, Shigeo Saito, Tadashi Hanafusa, Deng-Chyang Wu, Chang Sheng Lin, and Kazunari K Yokoyama*: Oncogenic function of the homeobox A13-long noncoding RNA HOTTIP-insulin growth factor-binding protein 3 axis in human gastric cancer. *Oncotarget*, 14;7(24):36049-36064, 2016.

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10. Hsueh-Liang Chu, Weng-Sing Hwang, Je-Kang Du, Ker-Kong Chen*, Moo-Chin Wang*: Crystallization behavior of ZrO₂-3Y₂O₃-xSrO precursor powders synthesized by a coprecipitation process. *Journal of Alloys and Compounds*, 678(5):518-526, 2016.

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12. Yuki NAGAMATSU*, Ker-Kong CHEN, Hiroshi NAGAMATSU, Yoshio KOZONO and Hiroshi SHIMIZU: Application of neutral electrolyzed water to sterilization of alginate impression. *Dent. Mater. J.* 2016;35(2):270-277.

13. Chun-Ming Chen, Steven Lai, Yea-Yin Yen, Hong-Sen Chen, Ker-Kong Chen* and Kun-Jung Hsu*: Correlation between blood loss and patient-related factors in the bilateral parasymphseal osteotomy. *The Journal of Craniofacial Surgery*, 26 (7); e564-67, 2015.

14. Chun-Ming Chen, Steven Lai, Ker-Kong Chen*, and Huey-Er Lee*: Intraoperative Hemorrhage and Postoperative Sequelae after Intraoral Vertical Ramus Osteotomy to Treat Mandibular Prognathism. *BioMed Research International*, Volume 2015, Article ID 318270, 6 pages. doi:10.1155/2015/318270.

15. C. H. Wang, J. K. Du, H. Y. Li, H. C. Chang and K. K. Chen*: Factorial analysis of variables influencing mechanical characteristics of a post used to restore a root filled premolar using the finite element stress analysis combined with the Taguchi method. *International Endodontic Journal*. 49(7): 690-699, (July) 2016.

研究計劃

序號	計畫名稱	補助或委託機構	執行期限	執行情形	經費總額	計畫內擔任的工作
1	多孔質對於鈦-50 銦之生醫特性影響之研究	高雄醫學大學附設中和紀念醫院	2019/01/01-2019/12/31	執行中	440,000	主持人

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2	新開發可降解鎂合金網應用於齒槽骨重建手術之研究 (107-2314-B-037-046 -)	科技部	2018/08/01-2019/07/31	執行中	910,000	共同主持人
3	鈦-x 鈳合金顯微結構與生醫性質之相關性研究 (105-2314-B-037-034 -)	科技部	2016/08/01-2017/07/31	已結案	970,000	主持人
4	添加銅對 304 不鏽鋼的抗菌效果之探討	高雄醫學大學附設中和紀念醫院	2016/01/01-2016/12/31	已結案	200,000	主持人