1. **Hydrophobicity of graphene as a driving force for inhibiting biofilm formation of pathogenic bacteria and fungi**
   *Dental Materials*, 2019

2. **Graphene-induced osteogenic differentiation is mediated by the integrin/FAK axis**
   Xie H, Cao T, Franco-Obregón, **Rosa V**.*
   *International Journal of Molecular Sciences*, 2019

3. **Graphene onto medical grade titanium: an atom-thick multimodal coating that promotes osteoblast maturation and inhibit biofilm formation from distinct species**
   Dubey N, Ellepola K, Decroix F, Morin J, Castro Neto AH, Seneviratne J, **Rosa V**.*
   *Nanotoxicology*, 2018

4. **Functional odontoblastic-like cells from human iPSCs**
   Xie H, Dubey N, Shim W, Ramachandra C, Cao T, **Rosa V**.*
   *Journal of Dental Research*, 2018

5. **Thermo-setting glass ionomer cements promote variable biological responses of human dental pulp stem cells**
   *Dental Materials*, 2018

6. **Enhanced skin permeation of antiwrinkle peptides via molecular modification**
   Lim SH, Sun Y, Madanagopal T, **Rosa V**, Kang L*.
   *Scientific Reports*, 2018

7. **Applications of additive manufacturing in dentistry: A review**
   Bhargav A, Sanjairaj V, **Rosa V**, Fen LW, Fuh JYH
   *Journal of Biomedical Materials Research Part B-Applied Biomaterials*, 2018

8. **Root canal filling quality of a premixed calcium silicate endodontic sealer applied using gutta-percha cone-mediated ultrasonic activation**
   *Journal of Endodontics*, 2018

9. **Effect of staining beverages on color and translucency of CAD/CAM composites**
   Quek SHQ*, Yap AUJ, **Rosa V**, Tan KBC, Teoh KH
   *Journal of Esthetic and Restorative Dentistry*, 2018

10. **Graphene transfer to 3-dimensional surfaces a vacuum-assisted dry transfer method**
    Morin JLP, Dubey N, Decroix FED, Luong-Van EK, Castro Neto AH, **Rosa V**.*
    *2D Materials*, 2017

11. **Graphene for the development of the next-generation of biocomposites for dental and medical applications**
    Xie H, Luong-Van E, Lozano FJR, Cao T, Castro Neto AH, **Rosa V**.
12. CVD-grown monolayer graphene induces osteogenic but not odontoblastic differentiation of dental pulp stem cells

13. Effects of epigallocatechin gallate, an antibacterial cross-linking agent, on proliferation and differentiation of human dental pulp cells cultured in collagen scaffolds
   Kwon YS, Kim HJ, Hwang YC, Rosa V*, Yu MK, Min KS*. 

14. Graphene nanosheets to improve physico-mechanical properties of bioactive calcium silicate cements
   Dubey N, Rajan SS, Dal Bello Y, Min KS, Rosa V*. 
   Materials, 2017

15. CVD graphene transfer procedure to the surface of stainless steel for stem cell proliferation
   Rodriguez CLC, Kessler F, Dubey N, Rosa V, Fechine GJM*. 

16. Behaviour of human dental pulp cells cultured in a collagen hydrogel scaffold crosslinked with cinnamaldehyde
   Kwon YS, Lee SH, Hwang YC, Rosa V, Lee KW, Min KS*. 

17. Graphene oxide-based substrate: physical and surface characterization, cytocompatibility and differentiation potential of dental pulp stem cells
   Rosa V*, Xie H, Dubey N, Madanagopal TT, Rajan SS, Islam I, Morin JLP, Castro Neto AH. 
   Dental Materials, 2016.

18. In vitro osteogenic potential of green fluorescent protein labelled human embryonic stem cell-derived osteoprogenitors

19. Pluripotency of stem cells from human exfoliated deciduous teeth (SHED) for tissue engineering
   Rosa V*, Dubey N, Min KS, Nör JE. 

20. Smart Carbon Nanotubes and Graphenes for Tissue Engineering
   Rosa V*, Dubey N, Han X, Rajan SS. 

21. Effects of chondro-osseous regenerative compound associated with local treatments in the regeneration of dehiscence defects: an in vivo study
   Tonetto A, Lago PW, Borba M, Rosa V*. 

22. Dental stem cells for dental pulp regeneration
   Dubey N, Min KS, Rosa V*. 
   Dental Stem Cells: Regenerative Potential. Barbara Zavan and Eriberto Bressan. 1st ed. London: 
23. Pluripotent stem cells: an in vitro model for nanotoxicity assessments
Handral H, Tong H, Islam I, Gopu S, Rosa V, Cao T*
*Journal of Applied Toxicology*, 2016.

24. Fabrication and evaluation of electrohydrodynamic jet 3D printed polycapronolactone/chitosan cell carriers using human embryonic stem cell-derived fibroblasts
Wu Y, Gopu S, Fawzy AS, Fuh JYH, Rosa V, Cao T, Wong YS*

25. Fabrication of dentin-like scaffolds through combined 3D printing and bio-mineralisation
Wy Y, Azmi DFB, Rosa V, Fawzy AS, Fuh JYH, Wong YS, Lu WF*
*Cogent Engineering*, 2016.

26. HESC to IPSC: prohibition to controlled permissiveness to ethical panacea
Islam I*, Rosa V, Wong R, Cao T.

27. Tooth discoloration induced by a novel mineral trioxide aggregate-based root canal sealer
Lee DS, Lim MJ, Choi Y, Rosa V, Hong CU, Min KS*

28. Reliability, failure probability and strength of resin-based materials for CAD/CAM restorations
Lim KT, Yap AU, Agarwalla SV, Tan KB, Rosa V*

29. Two and three-dimensional graphene substrates to magnify osteogenic differentiation of periodontal ligament stem cells
Xie H, Cao T, Viana Gomes JC, Castro Neto AH, Rosa V*
*Carbon*, 2015.

30. Graphene: a versatile carbon-based material for bone tissue engineering
Dubey N, Bentini R, Islam I, Cao Y, Castro Neto AH, Rosa V*
*Stem Cells International*, 2015.

31. Fatigue stipulation of bulk-fill composites: an in vitro appraisal
Vidhawan SA, Yap AU, Ormaghi BP, Banas A, Banas K, Neo JC, Pfeifer CS, Rosa V*
*Dental Materials*, 2015.

32. Bioactivity, physical and chemical properties of MTA mixed with propylene glycol
Natu VP, Dubey N, Loke GCL, Tan TS, Ng WH, Yong CW, Cao T, Rosa V*

33. Modulation of dental pulp stem cell odontogenesis in a tunable PEG-fibrinogen hydrogel system
Lu Q, Pandya M, Jalil RA, Rosa V, Tong H, Seliktar D, Toh WS*. 
*Stem Cells International*, 2015.

34. Structural reinforcement and sealing ability of temporary fillings in premolar with class II MOD cavities
Dal Bello Y, Barbizan JV, Rosa V*
*Journal Contemporary Dental Practice*, 2014.
35. **Inducing pluripotency for disease modeling, drug development and craniofacial applications**
   Rosa V*, Toh WS, Cao T, Shim W.

36. **Dental pulp tissue engineering in full-length root canals**
   Rosa V, Zhang Z, Grande RH, Nör JE*.
   *Journal Dental Research*, 2013.

37. **What and where are the stem cells for Dentistry?**
   Rosa V*.
   *Singapore Dental Journal*, 2013.

38. **And now? Who will be the authors?**
   Rosa V*, Fechine GJM.
   *JSM Dentistry*, 2013.

39. **Subcritical crack growth and in vitro lifetime prediction of resin composites with different filler distributions**
   Ornaghi BP, Meier MM, Rosa V, Cesar PF, Lohbauer U, Braga RR*.
   *Dental Materials*, 2012.

40. **Tissue engineering: from research to dental clinics**
   Rosa V, Della Bona A*, Cavalcanti B, Nör JE.
   *Dental Materials*, 2012.

41. **Effect of ion exchange on R-curve behavior of a dental porcelain**
   Cesar PF, Rosa V, Pinto MM, Yoshimura HN, Xu LR*.

42. **Effect of test environment and microstructure on the flexural strength of dental porcelains**
   Rosa V, Cesar PF*, Pereira CFS, Pinto MM, Yoshimura HN.

43. **Regenerative endodontics in light of the stem cell paradigm**
   Rosa V; Botero TM, Nör JE*.

44. **Could be flowable composites considered as a reliable material for bracket bonding?**
   Pick B, Rosa V, Miranda Jr W*.
   *Journal Contemporary Dental Practice*, 2010.

45. **Effect of ion exchange temperature on mechanical properties of a dental porcelain.**
   Rosa V, Fredericci C, Moreira MF, Yoshimura HN, Cesar PF*.

46. **Visual and instrumental agreement in dental shade selection: Three distinct observer populations and shade matching protocols**
   Della Bona A*, Barrett A, Rosa V, Pinzetta C.

47. **Effect of ion exchange on strength and slow crack growth of a dental porcelain**
   Rosa V, Yoshimura HN, Pinto MM, Fredericci C, Cesar PF*.
48. Influence of pH on slow crack growth of dental porcelains
   Pinto MM, Cesar PF*, Rosa V, Yoshimura HN.
   *Dental Materials, 2008.

49. Seleção de cor em consultório: das escalas convencionais aos espectrofotômetros [In-office shade matching: from shade guides to spectrophotometers]
   Rosa V, Della Bona A*.
   *International Journal of Brazilian Dentistry, 2007

50. Influence of shade and irradiation time on the hardness of composite resins
   Della Bona A*, Rosa V, Cecchetti D.
   *Brazilian Dental Journal, 2007.

51. Effect of acid etching of glass ionomer cement surface on the microleakage of sandwich restorations
   Della Bona A*, Pinzetta C, Rosa V.

52. Prótese Total Imediata: Fundamentos e Clinica [Immediate Complete Dentures: Concepts and Clinic]
   Rosa V, Della Bona A, Antonio AJ, Pereira TR, Nadin PS.
   *Jornal Brasileiro de Clínica Odontológica Integrada 1:01-09, 2006.*