

**Ram Ramaswamy's publications in peer-reviewed journals:**

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4. *Collisional excitation of interstellar molecules:  $H_2$*   
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5. *Rotational inelasticity in high-energy  $H_2$ – $H_2$  collisions*  
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R RAMASWAMY, S Augustin and H Rabitz  
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7. *Stochastic theory of collisions: Application to vibration–rotation inelasticity in  $CO$ – $He$*   
R RAMASWAMY, S Augustin and H Rabitz  
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8. *Quantum number and energy scaling for non-reactive collisions*  
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R RAMASWAMY, A E DePristo and H Rabitz  
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10. *Dynamics of van der Waals molecules: A Scaling-theoretical analysis of  $I_2^*$ -He*  
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Journal of Chemical Physics 1980; **72**: 770–771 (L)
11. *Semiclassical quantization of multidimensional systems*  
R RAMASWAMY, P Siders and R A Marcus  
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12. *Classical methods in molecular scattering: A continuous quantization procedure*  
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R RAMASWAMY and R A Marcus  
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14. *The onset of chaotic motions in deterministic systems*  
R RAMASWAMY and R A Marcus  
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15. *Continuous quantization procedure in quasiclassical scattering: Application to atom-Morse oscillator collisions*  
R RAMASWAMY  
Pramana Journal of Physics 1981; **16**: 139–146
16. *A Simple classical model of infrared multiphoton dissociation*  
R RAMASWAMY, P Siders and R A Marcus  
Journal of Chemical Physics 1981; **74**: 4418–4425
17. *Concerning the scaling behaviour in the classical mechanics of non-reactive collisions: An analytic investigation*  
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18. *Chaotic motions in vibrating molecules: The generalized Hénon-Heiles model*  
R RAMASWAMY  
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19. *Scaling behaviour in collinear atom-diatom collisions: energy transfer from high vibrational states*  
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20. *The Scaling principle in classical inelastic collisions*  
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21. *Classical trajectory analysis: Continuous quantization and scaling in collinear atom-triatom collisions*  
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22. *Collision dynamics of nonintegrable systems: Validity of classical Scaling*  
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26. *Quantal information from classical trajectories: Scaling deconvolution of moments in diatom-diatom collisions*  
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