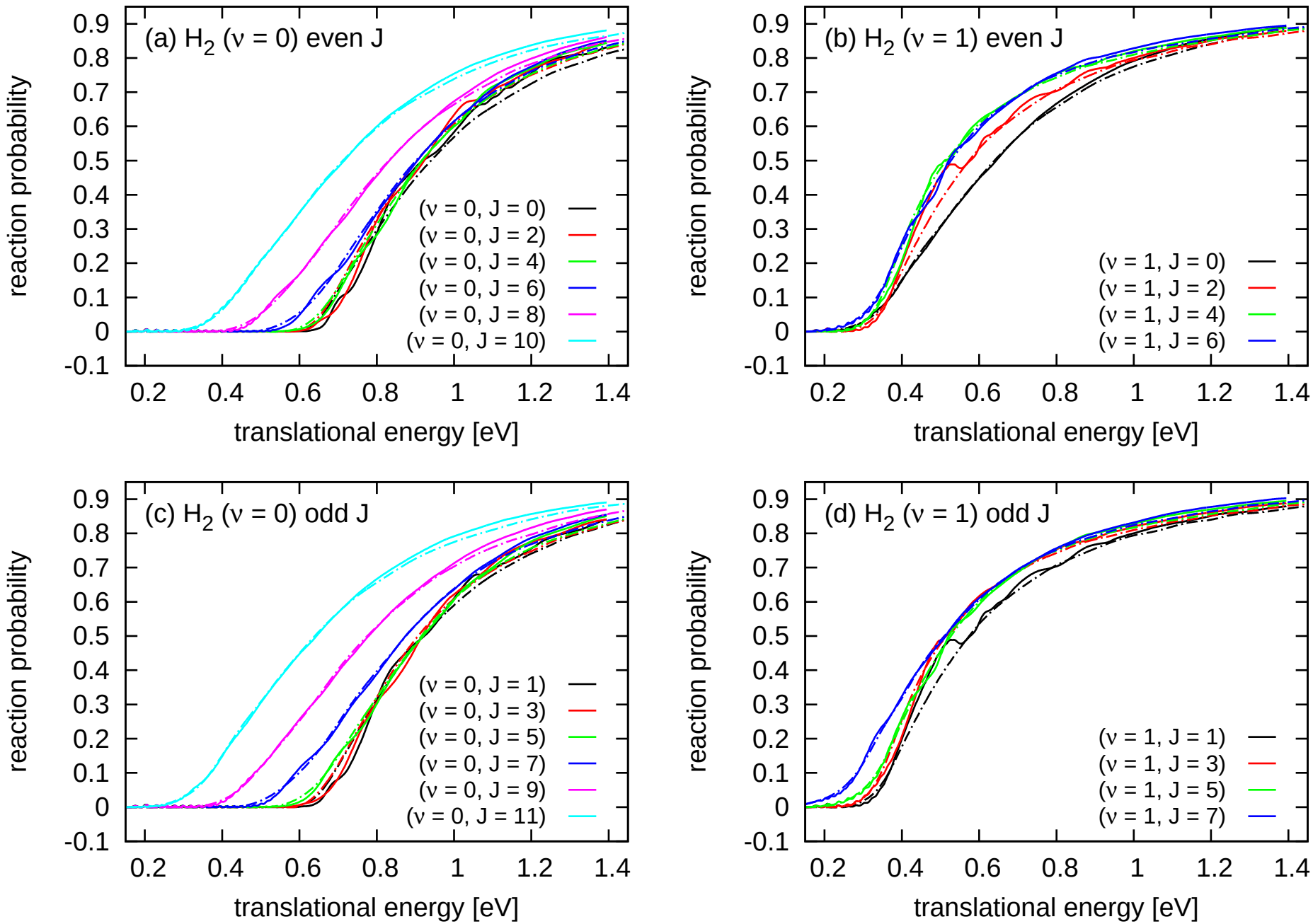
(a) H2 (ν = 0) even J
(ν = 0, J = 0)
(ν = 0, J = 2)
(ν = 0, J = 4)
(ν = 0, J = 6)
(ν = 0, J = 8)
(ν = 0, J = 10)
(b) H2 (ν = 1) even J
(ν = 1, J = 0)
(ν = 1, J = 2)
(ν = 1, J = 4)
(ν = 1, J = 6)
(c) H2 (ν = 0) odd J
(ν = 0, J = 1)
(ν = 0, J = 3)
(ν = 0, J = 5)
(ν = 0, J = 7)
(ν = 0, J = 9)
(ν = 0, J = 11)
(d) H2 (ν = 1) odd J
(ν = 1, J = 1)
(ν = 1, J = 3)
(ν = 1, J = 5)
(ν = 1, J = 7)
reaction probability
translational energy [eV]
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0.2
0.4
0.6
0.8
1
1.2
1.4